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OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of January, 1888.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of January, 1888,	1043
Population estimated at 400,000.	Rate per 1,000 inhabitants, 31.2

Total number	1043	NATIVITY.	
SEX.		United States	673
Males	511	Ireland	249
Females	532	England	23
CONDITION.		Scotland	5
Married	339	Germany	17
Single	549	British America	42
Widows	106	Other Countries	19
Widowers	39	Unknown	15
Unknown	10	PARENTAGE.	
COLOR.		United States	267
White	1022	Irish	398
Colored	21	English	18
		Scotch	13
Total deaths of children	Under 1 year	German	26
	Under 2 years	British American	52
	Under 5 years	Other Countries	72
Diarrhoeal diseases	Under 1 year	Mixed	86
	Under 2 years	Unknown	111
	Under 5 years		
	All ages	Still-births during the month	48

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for January, 1888.	Total Mortality for January, 1887.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	2	2													2							1	1	
CROUP	18	20		1	2	1	5	4	3	16	12											6	12	
CARBUNCLE																								
CHOLERA MORBUS		1																						
CHOLERA INFANTUM		1																						
CEREBRO-SPINAL MENINGITIS		1																						
CONGESTIVE FEVER																								
DIARRHŒA	10	8	5	4	1					10												4	6	
DYSENTERY	1		1							1												1		
DIPHTHERIA	35	38			1	5	10	6	6	28	7											17	18	
ERYSIPELAS	5	8	1							1				1	1			2				2	3	
INTERMITTENT FEVER																								
INFLUENZA	1																	1				1		
MEASLES	3	4				3				3												1	2	
PURPURA																								
PURPERAL FEVER	4	5											4										4	
PRÆMIA																								
REMITTENT FEVER																								
RHEUMATISM	3	3															1	1	1				3	
SCARLATINA	24	11	2		1	6	8	2	2	21	2	1										9	15	
SMALL POX																								
SYPHILIS (CONGENITAL)	2	2	1						1	2												1	1	
SYPHILIS																								
SEPTICÆMIA	3	3										1		1						1		1	2	
TONSILLITIS	3			1	1				1	3												3		
TYPHOID FEVER	7	8										3	1			1	1		1			2	5	
TYPHUS FEVER																								
WHOOPING COUGH	10		1	1	4	3			1	10												2	8	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES																								
II. CONSTITUTIONAL.																								
CANCER	30	34											1	7	3	6	6	6	1			8	22	
HYDROCEPHALUS AND TUBERC. MENINGITIS	11	22	4	2	2			1	1	10	1											5	6	
MARASMUS, SCROFULA AND TABES MESENTERICA	23	20	6	5	2	1		1	1	16	2		1				1	2	1			13	10	
PHTHISIS PULMONALIS	139	133	1	1		2	2	1		7		19	44	38	13	12	2	3	1			73	66	
OTHER CONSTITUTIONAL DISEASES	12	17				1	1	1		3	1	1	2	1	1	1	2					3	9	

of January, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for January, 1888.	Total Mortality for January, 1887.	AGE.																		SEX.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.			100 years and over.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
III. LOCAL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of January, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING JANUARY, 1888.			CASES REPORTED DURING JANUARY, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	113	....	Diphtheria	128	....
Measles	67	....	Measles	158	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	146	....	Scarlatina	100	....
Typhoid Fever	29	....	Typhoid Fever	30	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of January, 1888, as reported by J. W. SMITH, Sergeant Signal Corps.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.	
1	30.32	45	100	S.	.56	Mean Barometer, 30.10.	
2	29.74	36	76	W.	.27	Highest Barometer, 30.85, on the 12th.	
3	29.97	26	68	W.	.00	Lowest Barometer, 29.10, on the 26th.	
4	30.20	25	87	W.	.01	Monthly Range of Barometer, 1.75.	
5	30.05	21	62	N.W.	*T	Mean Temperature, 20.0.	
6	30.25	28	50	W.	.00	Highest Temperature, 57.0, on the 2d.	
7	29.98	37	89	W.	*T	Lowest Temperature, X6.2, on the 29th.	
8	29.79	31	79	N.	.16	Monthly Range of Temperature, 63.2.	
9	30.36	20	68	N.W.	.00	Greatest Daily Range of Temperature, 39.3, on the 13th.	
10	30.09	22	80	N.	.12	Least Daily Range of Temperature, 4.1, on the 10th.	
11	30.00	17	55	W.	.00	Mean Daily Range of Temperature, 17.4.	
12	30.64	9	58	W.	.00	Mean Daily Dew-point, 11.8.	
13	30.70	31	88	W.	.16	Mean Daily Relative Humidity, 71.6.	
14	30.43	32	64	N.W.	.00	Prevailing Direction of Wind, W.	
15	30.33	35	86	W.	.08	Total Movement of Wind, 10,417 Miles.	
16	30.64	12	60	N.W.	.00	Highest Velocity of Wind and Direction, 52 Miles per hr., N.W., on 26th.	
17	30.78	19	88	N.W.	.30	Number of Foggy Days, 0.	
18	29.76	23	84	W.	.21	" Clear " 12.	
19	29.82	14	60	W.	.00	" Fair " 12.	
20	29.92	13	58	W.	.00	Number of Cloudy " 7.	
21	30.15	7	53	W.	.00	Total Number of Days on which Rain or Snow fell, 11.	
22	30.52	5	48	W.	.00	Depth of unmelted Snow on ground at end of month, 3 in.	
23	30.51	13	68	W.	*T	Dates of Auroras, 0.	
24	30.02	10	57	W.	.01	Dates of Solar Halos, 9th, 23d, 25th.	
25	30.54	11	76	E.	*T	Dates of Lunar Halos, 0.	
26	29.22	26	89	N.W.	.38	Thunder storm, 0.	
27	29.44	5	62	W.	*T	Dates of Frosts, 0	
28	29.73	1	67	W.	.00	Mean Max. Temp., 28.7.	
29	29.98	3	74	W.	.00	Mean Min. Temp., 11.4.	
30	29.93	22	77	W.	.00	COMPARATIVE TEMPERATURE.	
31	29.99	23	80	N.	.00	Inches.	
TOTALS	933.12	619.5	2220.		2.26	1871 26	1879 35
MEANS	30.10	20.0	71.6	W.	.073	1872 27	1880 28
						1873 25	1881 22
						1874 30	1882 26
						1875 20	1883 25
						1876 29	1884 24
						1877 23	1885 27
						1878 24	1886 26
						1887 26	1888 20
						COMPARATIVE PRECIPITATIONS.	
						Inches.	
						1871 2.67	1879 2.79
						1872 2.11	1880 3.72
						1873 5.76	1881 7.21
						1874 4.32	1882 3.68
						1875 3.68	1883 3.59
						1876 1.87	1884 6.27
						1877 3.33	1885 5.33
						1878 7.60	1886 7.08
						1887 4.86	1888 2.26

Average January temperature for 17 years, 25.7. X Below Zero. Average January precipitation for 17 years, 4.31 inches. *T indicates trace of precipitation, { Rainfall. } Snowfall.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of February, 1888.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of February, 1888,	852
Population estimated at 400,000.	Rate per 1,000 inhabitants, 25.5

Total number 852

SEX.

Males 441

Females 411

CONDITION.

Married 271

Single 445

Widows 85

Widowers 42

Unknown 9

COLOR.

White 829

Colored 23

Total deaths of children	{	Under 1 year	149
		Under 2 years	210
		Under 5 years	274

Diarrhoeal diseases	{	Under 1 year	5
		Under 2 years	5
		Under 5 years	5
		All ages	6

NATIVITY.

United States 552

Ireland 168

England 28

Scotland 3

Germany 16

British America 54

Other Countries 19

Unknown 12

PARENTAGE.

United States 220

Irish 307

English 33

Scotch 7

German 22

British American 45

Other Countries 79

Mixed 60

Unknown 79

Still-births during the month 48

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for February, 1888.	Total Mortality for February, 1887.	AGE.																			SEX.	
																						Males.	Females.
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.		
I. ZYMOTICS.																							
ALCOHOLISM	3	3										1	1				1					3	
CROUP	14	12			1	3	4	3	2	13	1										3	11	
CARBUNCLE																							
CHOLERA MORBUS	1																1					1	
CHOLERA INFANTUM	1	1		1						1												1	
CEREBRO-SPINAL MENINGITIS	1				1					1											1		
CONGESTIVE FEVER																							
DIARRHOEA	2	2	2							2												2	
DYSENTERY	2	3		1	1					2												2	
DIPHTHERIA	23	29			3	4	6	3	3	19	4										12	11	
ERYSIPELAS	6	1	2				1			3			2					1			4	2	
INTERMITTENT FEVER																							
INFLUENZA																							
MEASLES	1	8						1		1											1		
PURPURA		1																					
PUERPERAL FEVER	2	2										2										2	
PYEMIA	2											1			1							2	
REMITTENT FEVER																							
RHEUMATISM	7	7										3	1		2	1					2	5	
SCARLATINA	11	3			1	2	4	1	1	9	1	1									4	7	
SMALL POX																							
SYPHILIS (CONGENITAL)	1	5			1					1											1		
SYPHILIS	1															1					1		
SEPTICÆMIA		4																					
TONSILLITIS																							
TYPHOID FEVER	5	7										1	1	2	1						4	1	
TYPHUS FEVER																							
WHOOPING COUGH	5	2	3		1	1				5											2	3	
YELLOW FEVER																							
OTHER ZYMOTIC DISEASES																							
II. CONSTITUTIONAL.																							
CANCER	36	25										3		9	6	10	7	1			13	23	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	13	19	2	2	1	2	1	1	1	10	2		1								6	7	
MARASMUS, SCROFULA AND TABES MESENTERICA	21	20	7	3	2	4	1		1	18				1		1	1				11	10	
PHTHRISIS PULMONALIS	110	127			1	1	2		1	5		7	37	32	14	9	2	3	1		51	59	
OTHER CONSTITUTIONAL DISEASES . .	22	8	1	1	1	3		1		7		2	4	2	3	1	1	2			11	11	

of February, Classified by Cause, Age and Sex.

CAUSES OF DEATH.			AGE.																		SEX.		
	Total Mortality for February, 1888.	Total Mortality for February, 1887.																			Males.	Females.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.			100 years and over.
III. LOCAL.																							
APOPLEXY	33	20									1		1	2	3	3	10	8	4	1		15	18
BRIGHT'S DISEASE	12	16												2	6	1	2	1				8	4
BRONCHITIS	61	45	10	10	12	10	3	1		46	1		1		1	1	4	5	2			33	23
HEART DISEASE	57	47				1				1	1	2	2	5	9	12	14	9	2			32	25
MENINGITIS	38	14	2	2	9	9	2	2		26	2	2	2	3	2			1				23	15
NEPHRITIS	7	12												1	2		1	3				6	1
PLEURISY	1	2													1								1
PNEUMONIA	153	59	3	4	10	10	3	7	1	38	4	4	8	25	20	12	15	20	6	1		87	66
OTHER LOCAL DISEASES	112	95	9	4	1	9	5	1	1	30	3	4	10	12	12	13	14	11	3			66	46
IV. DEVELOPMENTAL.																							
CYANOSIS	3	3	3							3												2	1
INANITION	5	5	4							4								1				3	2
OLD AGE	24	23															3	8	12	1		7	17
PREMATURE BIRTH	9	10	8	1						9												1	8
PUERP'L DISEASES (not including Puerp'l Fever)	3	3											1	2									3
OTHER DEVELOPMENTAL DISEASES	19	19	13	1						14						1		3	1			8	11
V. VIOLENT.																							
ACCIDENTAL	22	16	2			2				4		2	4	3	3	2	4					18	4
HOMICIDAL	1	1		1						1												1	
SUICIDAL		4																					
OTHER VIOLENT CAUSES	1	2																1				1	
UNKNOWN CAUSES	1	1			1					1													1
TOTAL FROM ALL CAUSES	852	601	71	31	47	61	32	21	11	274	20	25	82	96	86	65	84	85	32	3		441	411
TOTAL FROM ZYMOTIC DISEASES																							
" " "	88	90	7	2	9	10	15	8	3	57	6	2	8	6	1	4	3	1				38	50
" " "	202	199	10	6	5	10	4	2	3	40	2	9	45	35	26	16	14	13	2			92	110
" " "	474	310	24	20	32	39	13	11	2	141	12	12	24	50	56	42	60	58	17	2		270	204
" " "	63	68	28	2						30			1	2		1	3	12	13	1		21	42
" " "	24	23	2	1		2				5		2	4	3	3	2	4	1				20	4

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of February, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING FEBRUARY, 1888.			CASES REPORTED DURING FEBRUARY, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	80	....	Diphtheria	93	....
Measles	115	....	Measles	249	....
Small Pox . . . . .	....	2	Small Pox	1	....
Scarlatina	119	....	Scarlatina	76	....
Typhoid Fever	26	....	Typhoid Fever	39	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of February, 1888. as reported by J. W. SMITH, Sergeant Signal Corps.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.																																				
1	30.18	21	66	N.	.00	Mean Barometer, 30.074.																																				
2	30.22	26	58	W.	.00	Highest Barometer, 30.47, on the 15th.																																				
3	30.23	29	67	N.W.	.00	Lowest Barometer, 29.52, on the 8th.																																				
4	30.12	23	90	S.E.	.25	Monthly Range of Barometer, 0.95.																																				
5	29.67	44	76	S.W.	.11	Mean Temperature, 28.4.																																				
6	30.06	27	62	N.W.	.00	Highest Temperature, 56.0, on the 14th.																																				
7	30.10	25	81	N.E.	.02	Lowest Temperature, X4.0, on the 16th.																																				
8	29.63	33	87	W.	.09	Monthly Range of Temperature, 60.0.																																				
9	30.00	14	62	W.	.00	Greatest Daily Range of Temperature, 44.0, on the 15th.																																				
10	30.35	7	77	N.	.10	Least Daily Range of Temperature, 9.0, on the 19th.																																				
11	29.96	20	91	N.	.57	Mean Daily Range of Temperature, 17.6.																																				
12	30.11	26	76	N.E.	*T	Mean Daily Dew-point, 19.6.																																				
13	30.14	33	73	E.	.00	Mean Daily Relative Humidity, 71.0.																																				
14	30.01	45	64	S.W.	.00	Prevailing Direction of Wind, W.																																				
15	30.25	19	66	N.W.	.00	Total Movement of Wind, 7,520 Miles.																																				
16	30.29	9	55	W.	.00	Highest Velocity of Wind and Direction, 42 N.W., 42 E. on 15th and 25th.																																				
17	29.85	30	63	N.W.	.00	Number of Foggy Days, 0.																																				
18	30.05	31	67	N.E.	*T	" Clear " 10.																																				
19	30.38	27	77	S.E.	.00	" Fair " 9.																																				
20	30.03	45	94	S.	.37	Number of Cloudy " 10.																																				
21	30.05	41	68	W.	.29	Total Number of Days on which Rain or Snow fell, 10.																																				
22	30.23	35	66	W.	.00	Depth of unmelted Snow on ground at end of month, 0.																																				
23	30.20	35	62	S.W.	.00	Dates of Auroras, 0.																																				
24	30.27	36	69	S.W.	.00	Dates of Solar Halos, 21st and 23d.																																				
25	29.88	36	94	S.E.	.55	Dates of Lunar Halos, 19th.																																				
26	29.66	41	71	W.	.01	Thunder storm, 0.																																				
27	29.82	27	60	W.	.00	Dates of Frosts, 10th.																																				
28	30.17	13	58	N.W.	.00	Mean Max. Temp., 37.1.																																				
29	30.30	20	62	N.W.	.00	Mean Min. Temp., 19.5.																																				
						COMPARATIVE TEMPERATURE.																																				
						<table><tr><td>1871</td><td>28.6</td><td>1880</td><td>32.0</td></tr><tr><td>1872</td><td>28.1</td><td>1881</td><td>27.7</td></tr><tr><td>1873</td><td>27.2</td><td>1882</td><td>30.4</td></tr><tr><td>1874</td><td>27.9</td><td>1883</td><td>29.2</td></tr><tr><td>1875</td><td>22.1</td><td>1884</td><td>31.0</td></tr><tr><td>1876</td><td>27.0</td><td>1885</td><td>20.5</td></tr><tr><td>1877</td><td>32.5</td><td>1886</td><td>26.6</td></tr><tr><td>1878</td><td>29.1</td><td>1887</td><td>28.9</td></tr><tr><td>1879</td><td>23.6</td><td>1888</td><td>28.4</td></tr></table>	1871	28.6	1880	32.0	1872	28.1	1881	27.7	1873	27.2	1882	30.4	1874	27.9	1883	29.2	1875	22.1	1884	31.0	1876	27.0	1885	20.5	1877	32.5	1886	26.6	1878	29.1	1887	28.9	1879	23.6	1888	28.4
1871	28.6	1880	32.0																																							
1872	28.1	1881	27.7																																							
1873	27.2	1882	30.4																																							
1874	27.9	1883	29.2																																							
1875	22.1	1884	31.0																																							
1876	27.0	1885	20.5																																							
1877	32.5	1886	26.6																																							
1878	29.1	1887	28.9																																							
1879	23.6	1888	28.4																																							
						COMPARATIVE PRECIPITATIONS.																																				
						<table><tr><td>1871</td><td>Inches. 2.87</td><td>1880</td><td>Inches. 4.11</td></tr><tr><td>1872</td><td>2.61</td><td>1881</td><td>4.80</td></tr><tr><td>1873</td><td>3.21</td><td>1882</td><td>4.77</td></tr><tr><td>1874</td><td>3.41</td><td>1883</td><td>2.74</td></tr><tr><td>1875</td><td>3.74</td><td>1884</td><td>5.74</td></tr><tr><td>1876</td><td>4.54</td><td>1885</td><td>3.00</td></tr><tr><td>1877</td><td>4.50</td><td>1886</td><td>7.04</td></tr><tr><td>1878</td><td>4.40</td><td>1887</td><td>3.68</td></tr><tr><td>1879</td><td>4.35</td><td>1888</td><td>2.36</td></tr></table>	1871	Inches. 2.87	1880	Inches. 4.11	1872	2.61	1881	4.80	1873	3.21	1882	4.77	1874	3.41	1883	2.74	1875	3.74	1884	5.74	1876	4.54	1885	3.00	1877	4.50	1886	7.04	1878	4.40	1887	3.68	1879	4.35	1888	2.36
1871	Inches. 2.87	1880	Inches. 4.11																																							
1872	2.61	1881	4.80																																							
1873	3.21	1882	4.77																																							
1874	3.41	1883	2.74																																							
1875	3.74	1884	5.74																																							
1876	4.54	1885	3.00																																							
1877	4.50	1886	7.04																																							
1878	4.40	1887	3.68																																							
1879	4.35	1888	2.36																																							
TOTALS	872.21	823	2060.2		2.36																																					
MEANS	30.08	28.4	71.0	W.	.081																																					

Average February temperature for 18 years, 27.9. X Below Zero. Average February precipitation for 18 years, 3.98 inches. *T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of March, 1888.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

Deaths during the month of March, 1888, 895

Population estimated at 400,000. Rate per 1,000 inhabitants, 26.8

Total number 895

SEX.

Males 434

Females 461

CONDITION.

Married 287

Single 475

Widows 89

Widowers 42

Unknown 2

COLOR.

White 872

Colored 23

Total deaths of children { Under 1 year 163
Under 2 years 213
Under 5 years 278

Diarrhœal diseases { Under 1 year 7
Under 2 years 7
Under 5 years 7
All ages 10

NATIVITY.

United States 581

Ireland 188

England 20

Scotland 9

Germany 19

British America 53

Other Countries 18

Unknown 7

PARENTAGE.

United States 257

Irish 307

English 30

Scotch 12

German 30

British American 51

Other Countries 80

Mixed 60

Unknown 68

Still-births during the month 38

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for March, 1888.	Total Mortality for March, 1887.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	4	3											1	2	1							3	1	
CROUP	14	6		1		2	1	3	3	10	4											5	9	
CARBUNCLE																								
CHOLERA MORBUS																								
CHOLERA INFANTUM	1	1		1						1												1		
CEREBRO-SPINAL MENINGITIS	2	2				2				2												1	1	
CONGESTIVE FEVER																								
DIARRHŒA	8	4	5							5		1			1		1					6	2	
DYSENTERY	1		1							1												1		
DIPHTHERIA	37	24		1	4	2	4	8	5	24	8	3	2									16	21	
ERYSIPELAS	6	1	2							2			1		1	1	1					5	1	
INTERMITTENT FEVER																								
INFLUENZA		1																						
MEASLES	1	10			1					1													1	
PURPURA		1																						
PUERPERAL FEVER.	2	1												2									2	
PYŒMIA	1														1							1		
REMITTENT FEVER																								
RHEUMATISM	4	2											2				1		1			2	2	
SCARLATINA	10	6			1	2	2	2	1	8	2											3	7	
SMALL POX	1															1						1		
SYPHILIS (CONGENITAL)	3	3	3							3												2	1	
SYPHILIS		1																						
SEPTICÆMIA	2	4							1	1	1											2		
TONSILLITIS.	1					1				1												1		
TYPHOID FEVER.	5	9											1	2	1	1						3	2	
TYPHUS FEVER																								
WHOOPING COUGH	10	2	1	1	5	1	1	1		10												5	5	
YELLOW FEVER.																								
OTHER ZYMOTIC DISEASES	1	3														1						1		
II. CONSTITUTIONAL.																								
CANCER	22	31											2	3	5	5	5	2				7	15	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	17	20	1		4	9		2		16			1									7	10	
MARASMUS, SCROFULA AND TABES MESENTERICA	25	22	11	5	3	1	1			21	2						1		1			13	12	
PHTHISIS PULMONALIS	138	126		1	1				1	3	2	10	33	42	21	17	7	3				64	74	
OTHER CONSTITUTIONAL DISEASES . .	16	10			1	2				3	2	4	2	2	1	1	1					8	8	

of March, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for March, 1888.	Total Mortality for March, 1887.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	28	23											1	3	3	7	7	3	4			13	15	
Bright's Disease	10	9												1	3	2	2	2				5		
Bronchitis	57	50	3	8	13	7	4	1		36	1	1		1	1	1	8	4	3	1		21	36	
Heart Disease	70	66	1					2		3		4	3	9	11	9	12	15	4			32	38	
Meningitis	23	30			5	7	3	3	2	20	1			2								14	9	
Nephritis	17	12					1			1			3	3	2	2	3	2	1			11	6	
Pleurisy	6	1			1					1		1	1					2	1			2	4	
Pneumonia	126	88	3	3	13	12	2	5		38	3	2	6	18	17	8	18	10	6			69	57	
Other Local Diseases	122	118	14	5	5	5	2	1		32	6	7	9	8	16	15	14	7	8			61	61	
IV. DEVELOPMENTAL.																								
Cyanosis		2																						
Inanition	5	10	2							2								3				2	3	
Old Age	27	33														1	1	9	14	2		8	19	
Premature Birth	10	16	10							10												7	3	
Puerp'l Diseases (not including Puerp'l Fever)	8	3											5	1	2								8	
Other Developmental Diseases	24	29	19	1						20						1	1	2				11	13	
V. VIOLENT.																								
Accidental	19	43	1							1	1	2	4	2	2	2	3	1	1			14	5	
Homicidal	1	2	1							1													1	
Suicidal	7	4										2	1	2	2							5	2	
Other Violent Causes	2										1								1				2	
Unknown Causes	1	3			1					1												1		
TOTAL FROM ALL CAUSES	895	885	78	27	53	50	24	28	13	278	34	37	78	103	92	74	86	65	45	3		434	461	
TOTAL FROM ZYMOTIC DISEASES	114	84	12	4	11	9	9	14	10	69	15	4	7	6	6	3	3		1			59	55	
“ “ CONSTITUTIONAL DISEASES	218	209	12	6	9	10	3	2	1	43	6	14	38	47	27	23	14	5	1			99	119	
“ “ LOCAL do.	459	397	21	16	37	31	12	12	2	131	11	15	23	45	53	44	64	45	27	1		228	231	
“ “ DEVELOPMENTAL do.	74	93	31	1						32			5	1	2	2	2	14	14	2		28	46	
“ “ VIOLENT CAUSES	29	49	2							2	2	4	5	4	4	2	3	1	2			19	10	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of March, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING MARCH, 1888.			CASES REPORTED DURING MARCH, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	105	.....	Diphtheria	96	.....
Measles	252	.....	Measles	252	.....
Small Pox	1	.....	Small Pox . . . . .	.....	.....
Scarlatina	110	.....	Scarlatina	104	.....
Typhoid Fever	18	.....	Typhoid Fever	31	.....
Typhus Fever . . . . .	.....	.....	Typhus Fever . . . . .	.	.....
Yellow Fever . . . . .	.....	.....	Yellow Fever . . . . .	.....	.....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of March, 1888, as reported by J. W. SMITH, Sergeant Signal Corps.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.33	29	61	N.W.	*T	Mean Barometer, 29.893.
2	30.21	38	59	N.	*T	Highest Barometer, 30.60, on the 26th.
3	29.90	27	75	W.	.08	Lowest Barometer, 29.09, on the 12th.
4	29.88	22	59	N.W.	.10	Monthly Range of Barometer, 1.51.
5	29.75	23	59	N.W.	.00	Mean Temperature, 32.0.
6	29.81	21	63	N.W.	.00	Highest Temperature, 57.5, on the 21st.
7	29.86	21	71	W.	.00	Lowest Temperature, 11.8, on the 24th.
8	29.89	31	61	W.	.00	Monthly Range of Temperature, 45.7.
9	30.25	36	60	W.	.00	Greatest Daily Range of Temperature, 26.7, on the 1st.
10	30.50	34	63	N.E.	.00	Least Daily Range of Temperature, 3.5, on the 12th.
11	30.25	34	63	N.E.	.00	Mean Daily Range of Temperature, 14.7.
12	29.44	33	78	N.	.72	Mean Daily Dew-point, 22.1.
13	29.38	28	79	N.E.	.30	Mean Daily Relative Humidity, 68.7.
14	29.87	35	97	N.	.22	Prevailing Direction of Wind, W.
15	29.97	39	84	W.	.00	Total Movement of Wind, 11,433 Miles.
16	29.72	39	84	S.W.	.00	Highest Velocity of Wind and Direction, 60 E. & N. E. on 13th.
17	29.74	27	89	W.	.00	Number of Foggy Days, 0.
18	29.99	24	61	W.	.00	" Clear " 9.
19	30.30	29	53	E.	.00	" Fair " 9.
20	29.93	47	80	S.	.03	Number of Cloudy " 13.
21	29.54	52	96	S.E.	.73	Total Number of Days on which Rain or Snow fell, 13.
22	29.75	37	58	W.	.06	Depth of unmelted Snow on ground at end of month, 0.
23	29.91	20	58	S.W.	.00	Dates of Auroras, 0.
24	30.21	19	51	S.W.	.00	Dates of Solar Halos, 0.
25	30.54	25	47	S.W.	.00	Dates of Lunar Halos, 0.
26	30.49	31	84	E.	.23	Thunder storm, 0.
27	30.24	37	93	N.E.	.43	Dates of Frosts, 4th.
28	29.88	42	83	W.	.32	Mean Max. Temp., 39.7.
29	29.80	42	75	W.	.20	Mean Min. Temp., 24.9.
30	30.15	42	53	S.W.	.00	
31	29.06	43	50	W.	.00	
TOTALS	929.48	997	2158.		3.32	
MEANS	29.893	32.0	65.7	W.	.107	

COMPARATIVE TEMPERATURE.			
1871	46	1880	33
1872	27	1881	36
1873	35	1882	35
1874	35	1883	31
1875	31	1884	34
1876	33	1885	28
1877	34	1886	34
1878	39	1887	32
1879	33	1888	32

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871	4.55	1880	3.25
1872	4.05	1881	9.68
1873	3.76	1882	3.35
1874	1.60	1883	2.33
1875	5.04	1884	4.86
1876	7.10	1885	1.15
1877	9.79	1886	3.20
1878	6.14	1887	1.32
1879	3.90	1888	3.32

Average March temperature for 18 years, 35.2.

Average March precipitation for 18 years, 4.44 inches.

*T Indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of April, 1888.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of April, 1888,	860
Population estimated at 400,000.	Rate per 1,000 inhabitants, 25.8

Total number 860

SEX.

Males 437

Females 423

CONDITION.

Married 266

Single 475

Widows 90

Widowers 24

Unknown 5

COLOR.

White 841

Colored 19

Total deaths of children	Under 1 year	142
	Under 2 years	198
	Under 5 years	266

Diarrhoeal diseases	Under 1 year	6
	Under 2 years	7
	Under 5 years	7
	All ages	9

NATIVITY.

United States 571

Ireland 178

England 11

Scotland 7

Germany 11

British America 39

Other Countries 29

Unknown 14

PARENTAGE.

United States 234

Irish 310

English 15

Scotch 9

German 22

British American 41

Other Countries 89

Mixed 75

Unknown 65

Still-births during the month 34

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for April, 1888.	Total Mortality for April, 1887.	AGE.																			SEX.	
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
			I. ZYMOTICS.																				
ALCOHOLISM	4	7										1	1	1								4	
CROUP	8	7				4	1	1	1	7	1											6	2
CARBUNCLE																							
CHOLERA MORBUS																							
CHOLERA INFANTUM	2	1	1		1					2								1				1	1
CEREBRO-SPINAL MENINGITIS	2	1	1							1	1											1	1
CONGESTIVE FEVER																							
DIARRHŒA	5	11	4		1					5												4	1
DYSENTERY	2	1													1		1					1	1
DIPHTHERIA	43	19	2	1	1	3	9	7	7	30	8	1	2	1	1							21	22
ERYSIPELAS	6	5											1					3	2			5	1
INTERMITTENT FEVER																							
INFLUENZA																							
MEASLES	5	18			1	1	1		1	4			1									1	4
PURPURA	1										1											1	
PUERPERAL FEVER	3	2											2	1									3
PYŒMIA																							
REMITTENT FEVER																							
RHEUMATISM	3	2											1		1		1					2	1
SCARLATINA	9	10		1	1		1		2	5	3	1										5	4
SMALL POX																							
SYPHILIS (CONGENITAL)	1	1	1							1												1	
SYPHILIS		2																					
SEPTICŒMIA	4	2									1		2	1								2	2
TONSILLITIS																							
TYPHOID FEVER	11	15									1	1	4	2	1			2				5	6
TYPHUS FEVER																							
WHOOPING COUGH	6	4	3	1	2					6												2	4
YELLOW FEVER																							
OTHER ZYMOTIC DISEASES	2	1												1			1					2	
II. CONSTITUTIONAL.																							
CANCER	25	22										1		2	4	8	5	2	2	1		5	20
HYDROCEPHALUS AND TUBERC. MENINGITIS	27	26	2	2	5	11	1		2	23	3		1									16	11
MARASMUS, SCROFULA AND TABES MESENTERICA	20	30	7	2	2	3	2			16	1				2		1					14	6
PHTHISIS PULMONALIS	141	128	1		2		1	2		6		18	41	32	25	12	6	1				66	75
OTHER CONSTITUTIONAL DISEASES	10	8										1	5	1	1	1		1				3	7

of April, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for April, 1888.	Total Mortality for April, 1887.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	26	32									1			1	4	2	5	8	4	1		10	16	
Bright's Disease	16	11										3	1		3	2	5	2				8	8	
Bronchitis	48	33	7	4	8	7	4	1		31		1			1	6	3	5	1			27	21	
Heart Disease	50	59											9	7	12	6	8	5	3			27	23	
Meningitis	28	31		1	5	9	2	2		19	4	3	1	1								15	13	
Nephritis	13	14	1							1				3	2	2	2	3				8	5	
Pleurisy	1	3													1							1		
Pneumonia	106	96	3	3	6	10	5	2	1	30	1	5	11	7	16	13	6	13	3	1		60	46	
Other Local Diseases	132	125	18	5	4	6	5	4	1	43		4	7	18	15	11	11	22	1			63	69	
IV. DEVELOPMENTAL.																								
Cyanosis	2	5	2							2												1	1	
Inanition	1	2	1							1												1		
Old Age	20	30															1	4	14	1		5	15	
Premature Birth	17	19	17							17												6	11	
Puerp'l Diseases (not including Puerp'l Fever)	3	2												1	2								3	
Other Developmental Diseases	20	28	11	1		1				13							2	4	1			8	12	
V. VIOLENT.																								
Accidental	30	23	1				1	1		3	2		6	2	6	3	2	6				23	7	
Homicidal	2	1											2									2		
Suicidal	3	4										1	1				1					2	1	
Other Violent Causes																								
Unknown Causes	2	1											1		1							2		
TOTAL FROM ALL CAUSES	860	842	83	21	38	56	33	20	15	266	27	41	100	82	100	66	64	81	29	4		437	423	
TOTAL FROM ZYMOTIC DISEASES	117	109	12	3	6	9	12	8	11	61	16	3	14	7	5		7	4				64	53	
“ “ CONSTITUTIONAL DISEASES	223	214	10	4	9	14	4	2	2	45	3	21	47	35	32	21	11	5	2	1		104	119	
“ “ LOCAL do.	420	404	29	13	23	32	16	9	2	124	6	16	29	37	54	42	40	58	12	2		219	201	
“ “ DEVELOPMENTAL do.	63	86	31	1		1				33				1	2		3	8	15	1		21	42	
“ “ VIOLENT CAUSES	35	28	1				1	1		3	2	1	9	2	6	3	3	6				27	8	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of April, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING APRIL, 1888.			CASES REPORTED DURING APRIL, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	109	....	Diphtheria	103	....
Measles	185	3	Measles	243	....
Small Pox	1	....	Small Pox . . . . .	....	....
Scarlatina	75	....	Scarlatina	103	....
Typhoid Fever	80	....	Typhoid Fever	74	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of April, 1888. as reported by J. W. SMITH, Sergeant Signal Corps.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.04	40.0	57.7	W.	.02	Mean Barometer, 30.056.
2	29.64	38.7	66.3	N.W.	.58	Highest Barometer, 30.54, on the 26th.
3	30.14	38.0	48.9	N.W.	.00	Lowest Barometer, 29.57, on the 2d.
4	30.37	40.3	49.7	W.	.00	Monthly Range of Barometer, .97.
5	30.20	42.3	66.0	S.	.40	Mean Temperature, 42.2.
6	29.88	47.3	54.3	W.	.26	Highest Temperature, 68.0, on the 28th.
7	30.07	39.3	52.3	W.	.00	Lowest Temperature, 20.8, on the 8th.
8	30.28	28.3	49.3	N.W.	.00	Monthly Range of Temperature, 45.2.
9	30.44	35.7	37.3	W.	.00	Greatest Daily Range of Temperature, 28.1, on the 6th.
10	30.35	36.3	63.3	N.W.	.11	Least Daily Range of Temperature, 7.4, on the 2d.
11	29.97	40.0	87.0	W.	.29	Mean Daily Range of Temperature, 15.8.
12	30.03	43.3	54.0	N.	.01	Mean Daily Dew-point, 27.0.
13	30.11	37.7	40.7	N.	.00	Mean Daily Relative Humidity, 59.2.
14	29.86	38.3	78.0	N.	.11	Prevailing Direction of Wind, W.
15	29.94	40.7	66.3	S.W.	.09	Total Movement of Wind, 8,205 Miles.
16	29.96	40.7	60.0	W.	.01	Highest Velocity of Wind and Direction, 42 W. on 7th.
17	30.22	43.0	48.7	E.	.00	Number of Foggy Days, 0.
18	30.07	44.0	71.7	W.	.05	" Clear " 12.
19	30.00	48.0	42.3	W.	.00	" Fair " 11.
20	29.88	40.3	80.0	E.	.06	Number of Cloudy " 7.
21	29.73	40.7	63.7	W.	.05	Total Number of Days on which Rain or Snow fell, 14.
22	29.84	43.0	61.3	W.	*T	Depth of unmelted Snow on ground at end of month, 0.
23	29.88	42.0	51.7	E.	.00	Dates of Auroras, 11th, 10.30 A. M. to 11.40 P. M.
24	30.18	39.7	48.3	N.W.	.00	Dates of Solar Halos, 0.
25	30.48	40.3	57.0	S.W.	.00	Dates of Lunar Halos, 19th.
26	30.49	53.0	32.0	W.	.00	Thunder storm, distant lightning on 29th.
27	30.45	50.3	48.7	E.	.00	Dates of Frosts, 23d light; killing, 3d, 4th, 8th, 9th, 10th, 25th.
28	30.16	56.3	45.3	S.W.	.00	Mean Max. Temp., 50.5.
29	29.98	55.3	66.0	S.W.	.00	Mean Min. Temp., 34.6.
30	29.95	43.7	85.3	N.E.	.00	
TOTALS	902.59	1264.8	1774.2		2.04	
MEANS	30.086	42.2	57.1	W.	.068	

COMPARATIVE TEMPERATURE.			
1871	47.0	1880	46.2
1872	44.6	1881	4.28
1873	47.1	1882	42.0
1874	37.0	1883	44.3
1875	42.1	1884	42.7
1876	43.2	1885	46.3
1877	43.9	1886	47.7
1878	47.2	1887	43.9
1879	42.2	1888	42.2

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	3.79	1880	2.85
1872	1.31	1881	1.66
1873	3.83	1882	2.50
1874	7.99	1883	2.83
1875	4.92	1884	4.76
1876	3.61	1885	3.39
1877	4.19	1886	1.70
1878	6.14	1887	2.88
1879	6.54	1888	2.04

Average April temperature for 18 years, 44.0.

Average April precipitation for 18 years, 3.70 inches.

*T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of May, 1888.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of May, 1888,	820
Population estimated at 400,000.	Rate per 1,000 inhabitants, 24.6

Total number	820
SEX.	
Males	404
Females	416

CONDITION.	
Married	243
Single	452
Widows	77
Widowers	37
Unknown	11

COLOR.	
White	803
Colored	17

Total deaths of children	Under 1 year	167
	Under 2 years	207
	Under 5 years	269
Diarrhœal diseases	Under 1 year	10
	Under 2 years	10
	Under 5 years	10
	All ages	11

NATIVITY.	
United States	554
Ireland	160
England	14
Scotland	4
Germany	9
British America	30
Other Countries	28
Unknown	21

PARENTAGE.	
United States	219
Irish	289
English	16
Scotch	7
German	19
British American	39
Other Countries	84
Mixed	58
Unknown	89

Still-births during the month	52
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Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for May, 1888.	Total Mortality for May, 1887.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	2	5												1	1							2		
CROUP	11	8		1	2	4	2	1	1	11											6	5		
CARBUNCLE																								
CHOLERA MORBUS																								
CHOLERA INFANTUM	4	4	2	2						4													4	
CEREBRO-SPINAL MENINGITIS	1	1						1		1													1	
CONGESTIVE FEVER																								
DIARRHŒA	5	4	5							5											2	3		
DYSENTERY	2	3		1						1								1					2	
DIPHTHERIA	53	22		1	1	4	10	12	6	34	11	6	1		1						26	27		
ERYSIPELAS	8	5		1						1			1	1	3	1		1			5	3		
INTERMITTENT FEVER																								
INFLUENZA		1																						
MEASLES	5	17			2	2	1			5											4	1		
PURPURA																								
PURPERAL FEVER	1	2													1							1		
PYŒMIA																								
REMITTENT FEVER																								
RHEUMATISM		6																						
SCARLATINA	4	13				1		1		2	1	1									2	2		
SMALL POX	1							1		1												1		
SYPHILIS (CONGENITAL)	2	3	1	1						2											1	1		
SYPHILIS	1													1								1		
SEPTICŒMIA																								
TONSILLITIS	2	1			1					1		1									2			
TYPHOID FEVER	3	17											2	1							1	2		
TYPHUS FEVER																								
WHOOPING COUGH	3	5		1	2					3											2	1		
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES		1																						
II. CONSTITUTIONAL.																								
CANCER	18	25											1	3	2	7	3	2			3	15		
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	20	30	2	1	5	3	4			15	3	1	1								10	10		
MARASMUS, SCROFULA AND TABES MESENTERICA	33	25	16	7	5	2		1		31	1							1			14	19		
PHTHISIS PULMONALIS	134	144		2	1	3	1			7	3	13	45	25	10	9	8	5			61	73		
OTHER CONSTITUTIONAL DISEASES . .	12	7		2	1	1				4	1		3		2	1	1				7	5		

of May, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for May, 1888.	Total Mortality for May, 1887.	AGE.																	SEX.				
			Under 3 mos. 3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.		
III. LOCAL.																								
ATOPLEXY	26	27	1							1		1	1	1		4	10	4	2	2		10	16	
BRIGHT'S DISEASE	19	9											3	1	1	10	4				12	7		
BRONCHITIS	42	44	9	5	7	2	2	2	1	28						4	2	3	2	3		14	28	
HEART DISEASE	68	37									1	3	4	7	10	10	16	14	3		37	31		
MENINGITIS	24	21	3	1	7	6	2			19	2		1		1			1			13	11		
NEPHRITIS	17	12											3	3	2	1	6	2			8	9		
PLEURISY	2	1													1	1					2			
PNEUMONIA	78	82	3	1	4	6	6	3	2	25	1	2	7	10	5	8	6	12	2		35	43		
OTHER LOCAL DISEASES	106	90	12	6	3	3	1			25	3	11	9	15	6	8	14	12	3		50	56		
IV. DEVELOPMENTAL.																								
CYANOSIS	2	2	2							2											2			
INANITION	5	6	5							5											5			
OLD AGE	18	25																2	7	3	5	1	10	8
PREMATURE BIRTH	17	21	17							17											5	12		
PUERPL DISEASES (not including Puerpl Fever)	3	3											1	2								3		
OTHER DEVELOPMENTAL DISEASES	81	18	13		4	1	1			19					1	3	1	7			22	9		
V. VIOLENT.																								
ACCIDENTAL	33	30									2	1	11	4	7	5	1	1	1		28	5		
HOMICIDAL																								
SUICIDAL	1	4													1						1			
OTHER VIOLENT CAUSES	1														1							1		
UNKNOWN CAUSES	2	4													2						2			
TOTAL FROM ALL CAUSES	820	785	91	33	43	40	30	22	10	269	29	40	94	75	71	69	76	72	17	7	1	404	416	
TOTAL FROM ZYMOTIC DISEASES	108	118	8	8	6	13	13	13	7	71	12	8	4	4	6	1		2				53	55	
“ “ CONSTITUTIONAL DISEASES	217	231	18	12	12	9	6	1		57	8	14	50	23	23	17	12	8				95	122	
“ “ LOCAL do.	382	323	28	13	21	17	11	5	3	98	7	17	28	37	30	43	60	47	13	2		181	201	
“ “ DEVELOPMENTAL do.	76	75	37		4	1	1			43			1	2	1	3	3	14	3	5	1	44	32	
“ “ VIOLENT CAUSES	35	34									2	1	11	4	9	5	1	1	1			29	6	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of May, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING MAY, 1888.			CASES REPORTED DURING MAY, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	152	....	Diphtheria	75	....
Measles	367	4	Measles	523	....
Small Pox	4	1	Small Pox	2	....
Scarlatina	70	....	Scarlatina	90	....
Typhoid Fever	31	....	Typhoid Fever	116	....
Typhus Fever . . . . .	....	..	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	...	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of May, 1888, as reported by J. W. SMITH, Sergeant Signal Corps.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.80	41.7	90.7	E.	.03	Mean Barometer, 30.022.
2	30.06	38.3	73.7	N.E.	.03	Highest Barometer, 30.32, on the 8th.
3	30.23	45.3	59.3	S.W.	.00	Lowest Barometer, 29.77, on the 31st.
4	30.26	45.3	59.7	E.	.00	Monthly Range of Barometer, 0.55.
5	30.10	48.0	87.3	S.	.25	Mean Temperature, 52.5.
6	30.13	57.7	54.3	W.	.02	Highest Temperature, 77.0, on the 10th.
7	30.19	57.0	42.7	N.W.	.00	Lowest Temperature, 35.0, on the 3d.
8	30.22	56.3	45.0	S.W.	*T	Monthly Range of Temperature, 42.0.
9	29.97	56.3	87.3	S.	.50	Greatest Daily Range of Temperature, 26.6, on the 6th.
10	29.99	62.3	79.3	S.W.	.01	Least Daily Range of Temperature, 4.8, on the 4th.
11	30.16	45.7	95.3	E.	.38	Mean Daily Range of Temperature, 15.2.
12	29.85	52.7	95.7	E.	1.42	Mean Daily Dew-point, 43.4.
13	29.82	50.7	97.0	N.E.	1.14	Mean Daily Relative Humidity, 74.3.
14	29.90	44.3	86.7	E.	.02	Prevailing Direction of Wind, E.
15	29.89	44.7	84.3	N.	.20	Total Movement of Wind, 6,884 Miles.
16	29.90	50.0	65.0	S.W.	*T	Highest Velocity of Wind and Direction, 28 E. on 12th.
17	30.00	51.7	58.0	W.	.09	Number of Foggy Days, 0.
18	30.02	52.7	57.0	W.	*T	" Clear " 4.
19	30.01	46.7	95.0	E.	.22	" Fair " 11.
20	30.09	56.0	58.7	N.W.	.00	Number of Cloudy " 16.
21	30.17	57.0	46.0	N.W.	.00	Total Number of Days on which Rain or Snow fell, 22.
22	30.24	56.3	49.7	S.E.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.11	58.0	52.7	S.	.00	Dates of Auroras, 20th.
24	30.06	52.7	87.3	E.	.00	Dates of Solar Halos, 0.
25	30.03	53.3	77.3	N.E.	*T	Dates of Lunar Halos, 0.
26	29.98	52.3	85.3	N.	.10	Thunder storm, 28th.
27	29.97	51.7	91.3	E.	.03	Dates of Frosts, 0.
28	29.98	52.3	94.7	E.	.21	Mean Max. Temp., 60.7.
29	29.86	60.3	89.0	S.	.40	Mean Min. Temp., 45.5.
30	29.90	66.0	74.0	W.	.16	
31	29.82	63.7	85.3	S.	.05	
TOTALS	920.71	162.7	2304.6		5.20	
MEANS	30.022	52.5	74.3		.168	

COMPARATIVE TEMPERATURE.			
1871	57.9	1880	62.6
1872	58.3	1881	54.9
1873	55.6	1882	49.8
1874	56.9	1883	55.5
1875	57.8	1884	53.8
1876	54.5	1885	52.3
1877	75.2	1886	56.2
1878	55.7	1887	59.3
1879	59.9	1888	52.5

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	4.34	1880	1.63
1872	3.24	1881	4.10
1873	5.16	1882	6.05
1874	3.70	1883	5.11
1875	3.76	1884	3.31
1876	2.70	1885	4.26
1877	3.38	1886	3.08
1878	1.03	1887	1.67
1879 . . . . .	.97	1888	5.20

Mean average temperature for 18 years, 56.1. Mean average rainfall for 18 years, 3.50 inches. *T, trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of June, 1888.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of June, 1888, 740
Population estimated at 400,000. Rate per 1,000 inhabitants, 22.2

Total number 740

SEX.

Males 366

Females 374

CONDITION.

Married 234

Single 423

Widows 62

Widowers 17

Unknown 4

COLOR.

White 726

Colored 14

Total deaths of children { Under 1 year 120
Under 2 years 169
Under 5 years 224

Diarrhoeal diseases { Under 1 year 9
Under 2 years 9
Under 5 years 10
All ages 18

NATIVITY.

United States 473

Ireland 156

England 19

Scotland 5

Germany 13

British America 43

Other Countries 24

Unknown 7

PARENTAGE.

United States 180

Irish 276

English 15

Scotch 9

German 16

British American 36

Other Countries 79

Mixed 56

Unknown 73

Still-births during the month 56

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for June, 1888.	Total Mortality for June, 1887.	AGE.																SEX.					
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	4	5																				3	1	
CROUP	8	2				3		2	1	6	2											1	7	
CARUNCLE																								
CHOLERA MORBUS	1															1						1		
CHOLERA INFANTUM	6	6		1	4		1			6												2	4	
CEREBRO-SPINAL MENINGITIS	3	1	1	1		1				3												2	1	
CONGESTIVE FEVER																								
DIARRHŒA	10	5	1	2	1					4	2				1		1	2				6	4	
DYSENTERY	1	3															1					1		
DIPHTHERIA	37	22				5	9	6	1	21	10	3	2	1								18	19	
ERYSIPELAS	3	3														3						2	1	
INTERMITTENT FEVER																								
INFLUENZA		1																						
MEASLES	2	24				2				2												2		
PURPURA	1	1							1	1												1		
PUERPERAL FEVER	1	1											1										1	
PYŒMIA	1	3														1							1	
REMITTENT FEVER																								
RHEUMATISM	1												1										1	
SCARLATINA	1	5					1			1												1		
SMALL POX																								
SYPHILIS (CONGENITAL)		2																						
SYPHILIS																								
SEPTICŒMIA	1															1						1		
TONSILLITIS																								
TYPHOID FEVER	11	10										4	3	1	2		1					4	7	
TYPHUS FEVER																								
WHOOPING COUGH	6	5	1	2		3				6													6	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES	2												2									1	1	
II. CONSTITUTIONAL.																								
CANCER	33	21											1	5	7	5	8	5	1	1		8	25	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	23	20	1	3	5	5	1	1	3	19	2	1	1									11	12	
MARASMUS, SCHRÖFULA AND TABES MESENTERICA	22	21	10	4	4	2		1		21							1					11	11	
PHthisIS PULMONALIS	92	125		1						1		10	36	14	15	8	4	4				48	44	
OTHER CONSTITUTIONAL DISEASES . .	11	7		1	2	1				4	1	2	1		1			2				5	6	

of June, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for June, 1888.	Total Mortality for June, 1887.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
ATOPLECTY	15	29									1	1		1	3	5	2	2				5	10	
BRIGHT'S DISEASE	15	9											1	1	6	4	2	1				12	3	
BRONCHITIS	38	23	6	1	3	8	3	1		22	2				2	2	6	3	1			16	22	
HEART DISEASE	55	41	1							1	1	3	2	10	9	9	10	8	2			24	31	
MENINGITIS	24	26		2	7	1	1	3		14	4	3			1	1		1				14	10	
NEPHRITIS	9	8											2	3		4						5	4	
PLEURISY	4	1											1	1	1	1						2	2	
PNEUMONIA	51	39	2			8	5		2	17		1	4	7	4	5	9	3	1			27	24	
OTHER LOCAL DISEASES	151	87	8	7	3	10	3	3		34	4	4	13	28	14	18	19	13	3	1		77	74	
IV. DEVELOPMENTAL.																								
CYANOSIS	1	1	1							1													1	
INANITION	2	6	1							1								1				1	1	
OLD AGE	14	18															2	3	8	1		2	12	
PREMATURE BIRTH	12	9	11	1						12												8	4	
PUERP'L DISEASES (not including Puerp'l Fever)	1	2											1										1	
OTHER DEVELOPMENTAL DISEASES . .	21	20	14	1	3		1			19							1	1				12	9	
V. VIOLENT.																								
ACCIDENTAL	37	35	1		1				4	6	3	2	6	7	3	5	4		1			26	11	
HOMICIDAL	1															1							1	
SUICIDAL	4	6											1	1	1	1						2	2	
OTHER VIOLENT CAUSES																								
UNKNOWN CAUSES	4	1	1					1		2			2									4		
TOTAL FROM ALL CAUSES	740	654	60	27	33	40	25	18	12	224	32	33	81	82	69	74	74	49	19	3		366	374	
TOTAL FROM ZYMOTIC DISEASES																								
" " CONSTITUTIONAL DISEASES . . .	100	99	3	6	5	14	11	8	3	50	14	7	8	5	4	7	3	2				46	54	
" " LOCAL do.	181	194	11	9	11	8	1	2	3	45	3	13	39	19	23	13	13	11	1	1		83	98	
" " DEVELOPMENTAL do.	362	263	17	10	13	27	12	7	2	88	12	11	24	50	38	47	51	31	9	1		182	180	
" " VIOLENT CAUSES	51	56	27	2	3		1			38			1				3	5	8	1		23	28	
" "	42	41	1		1				4	6	3	2	7	8	4	7	4					25	14	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of June, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING JUNE, 1888.			CASES REPORTED DURING JUNE, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	111	....	Diphtheria	68	....
Measles	183	5	Measles	435	1
Small Pox	1	1	Small Pox . . . . .	....	....
Scarlatina	20	....	Scarlatina	62	....
Typhoid Fever	41	....	Typhoid Fever	44	....
Typhus Fever . . . . .	....	..	Typhus Fever . . . . .	.	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .		....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of June, 1888, as reported by J. W. SMITH, Sergeant Signal Corps, U. S. A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.70	62	65	W.	.05	Mean Barometer, 29.87.
2	28.85	61	48	S.	.00	Highest Barometer, 30.25, on the 28th
3	29.92	60	63	N.W.	.00	Lowest Barometer, 29.60, on the 11th.
4	30.04	64	49	W.	.00	Monthly Range of Barometer, 0.65.
5	30.13	72	48	W.	.00	Mean Temperature, 68.4.
6	29.97	75	56	S.W.	.00	Highest Temperature, 96.0, on the 23d
7	29.96	68	73	W.	.23	Lowest Temperature, 49.0, on the 2d.
8	30.14	58	72	E.	.00	Monthly Range of Temperature, 47.0.
9	30.03	71	63	S.W.	.00	Greatest Daily Range of Temperature, 36.0, on the 6th.
10	29.83	66	76	S.W.	.00	Least Daily Range of Temperature, 7.0, on the 21st.
11	29.69	68	66	W.	.06	Mean Daily Range of Temperature, 19.0.
12	30.07	65	49	W.	.00	Mean Daily Dew-point, 55.0.
13	30.19	66	50	S.W.	.00	Mean Daily Relative Humidity, 68.0.
14	30.04	62	86	S.W.	.64	Prevailing Direction of Wind, W.
15	29.84	61	93	S.W.	.47	Total Movement of Wind, 7,381 Miles.
16	29.78	76	63	N.W.	.00	Highest Velocity of Wind and Direction, 36 W. & N. E. on 7th and 23d.
17	29.89	71	69	S.E.	.00	Number of Foggy Days, 0.
18	29.81	78	58	W.	.60	" Clear " 8.
19	29.89	68	66	S.E.	.00	" Fair " 13.
20	29.91	65	75	N.	.07	Number of Cloudy " 0.
21	29.72	59	89	S.E.	.01	Total Number of Days on which Rain or Snow fell, 12.
22	29.67	76	79	S.W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	29.79	85	66	W.	.21	Dates of Auroras, 8th.
24	29.75	66	88	N.E.	.00	Dates of Solar Halos, 0.
25	29.76	63	89	E.	.01	Dates of Lunar Halos, 28th.
26	29.98	68	82	N.	.53	Thunder storm, 7th, 15th, 23d, 30th.
27	29.89	69	53	N.W.	.00	Dates of Frosts, 0.
28	30.23	56	72	E.	.00	Mean Max. Temp., 76.2.
29	30.10	57	75	E.	.02	Mean Min. Temp., 57.1.
30	29.81	68	62	W.	.39	
TOTALS	896.38	2054	2033		2.69	
MEANS ..	29.87	68.4	67.7		.089	

COMPARATIVE TEMPERATURE.			
1871	66	1880	67
1872	68	1881	61
1873	68	1882	66
1874	66	1883	69
1875	67	1884	66
1876	68	1885	66
1877	67	1886	63
1878	64	1887	64
1879	64	1888	67

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871	5.47	1880	6.24
1872	4.87	1881	0.75
1873	0.54	1882	7.79
1874	3.94	1883	1.03
1875	7.25	1884	2.07
1876	1.72	1885	3.70
1877	3.21	1886	1.34
1878	3.28	1887	1.98
1879	2.28	1888	2.69

Mean average temperature for 18 years, 65.4. Mean average rainfall for 18 years, 3.49 inches. *T, trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of July, 1888.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of July, 1888,	830
Population estimated at 415,000.	Rate per 1,000 inhabitants, 24.0

Total number	830	NATIVITY.	
SEX.		United States	576
Males	432	Ireland	145
Females	398	England	15
CONDITION.		Scotland	6
Married	209	Germany	18
Single	537	British America	32
Widows	54	Other Countries	25
Widowers	26	Unknown	13
Unknown	4	PARENTAGE.	
COLOR.		United States	192
White	809	Irish	279
Colored	21	English	21
		Scotch	9
Total deaths of children	Under 1 year	German	23
	Under 2 years	British American	40
	Under 5 years	Other Countries	81
Diarrhoeal diseases	Under 1 year	Mixed	100
	Under 2 years	Unknown	85
	Under 5 years		
	All ages	Still-births during the month	48

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for July, 1883.	Total Mortality for July, 1882.	AGE.																		SEX.		
			Under 3 mos. 3 mos. and under 6 mos. 6 months and under 1 year. 1 year and under 2 yrs. 2 years and under 3 yrs. 3 years and under 4 yrs. 4 years and under 5 yrs. 5 years and under 10 yrs. 10 years and under 20 yrs. 20 years and under 30 yrs. 30 years and under 40 yrs. 40 years and under 50 yrs. 50 years and under 60 yrs. 60 years and under 70 yrs. 70 years and under 80 yrs. 80 years and under 90 yrs. 90 years and under 100 yrs. 100 years and over.	Males.	Females.																		
I. ZYMOTICS.																							
ALCOHOLISM	4	5												1	3							3	1
CROUP	2	2					1	1		2												2	
CARRUNCLE																							
CHOLERA MORBUS	9	8			1					1	1				3		1	1	2			6	3
CHOLERA INFANTUM	130	233	22	31	57	17	2		1	130												69	61
CEREBRO-SPINAL MENINGITIS		4																					
CONGESTIVE FEVER																							
DIARRHŒA	21	35	6	5	5	3				19							1		1			13	8
DYSENTERY	10	16			1	1		1		3	1				1	2		2	1			6	4
DIPHTHERIA	29	11				4	6	5	3	18	7	3	1									11	18
ERYSIPELAS	2	2	1							1				1								1	1
INTERMITTENT FEVER																							
INFLUENZA																							
MEASLES	2	30		1						1	1											1	1
PURPURA																							
PURPERAL FEVER.		2																					
PYÆMIA	1	2							1	1													1
REMITTENT FEVER																							
RHEUMATISM		7																					
SCARLATINA	1	4				1				1													1
SMALL POX																							
SYPHILIS (CONGENITAL)	6	1	3	3						6												3	3
SYPHILIS	1														1								1
SEPTICÆMIA		2																					
TONSILLITIS.																							
TYPHOID FEVER.	11	13										4	3	1	1		2					8	3
TYPHUS FEVER																							
WHOOPING COUGH	10	15	2	1	1	3	2		1	10												4	6
YELLOW FEVER.																							
OTHER ZYMOTIC DISEASES	1	2											1									1	
II. CONSTITUTIONAL.																							
CANCER	19	25											2	1	7	3	5	1				9	10
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	12	21	2		3	3	1	2		11			1									5	7
MARASMUS, SCROFULA AND TABES MESENTERICA	36	46	18	10	2	2	1		1	34		1				1						23	13
PHTHISIS PULMONALIS	115	126		1		6		3		10	2	11	29	29	19	7	7	1				52	63
OTHER CONSTITUTIONAL DISEASES . .	10	9			1				2	3		1	5		1							7	3

of July, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.		
	Total Mortality for July, 1888.	Total Mortality for July, 1887.	Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
Apoplexy	19	34											1	3	2	2	5	3	2	1		6	13
Bright's Disease	14	15											1	3	3	5	2					6	6
Bronchitis	17	23	4	2	1	4	1			12						2	1	1	1			8	9
Heart Disease	54	37	1							1	2	3	6	6	8	11	9	5	2	1		29	25
Meningitis	19	35	1	5	3	1	2	4	1	17			1	1								13	6
Nephritis	6	9											1		1		1	3				5	1
Pleurisy	1												1										1
Pneumonia	23	29	1	1	2	4	1	1		10	1		2	1	4	1	4					12	11
OTHER LOCAL DISEASES	143	197	12	9	14	8	3	3	1	50	1	4	15	13	13	16	17	8	6			72	71
IV. DEVELOPMENTAL.																							
Cyanosis	1	2	1							1												1	
Inanition	11	6	9		2					11												7	4
Old Age	17	25															2	4	8	2	1	3	14
Premature Birth	9	16	9							9												5	4
Puer'l Diseases (not including Puer'l Fever)	3	3											2	1									3
OTHER DEVELOPMENTAL DISEASES . .	19	23	15			3				18								1				8	11
V. VIOLENT.																							
Accidental	35	34	1		1	1	1			4	3	5	6	5	7	2	2	1				27	8
Homicidal	2	2											1	1								2	
Suicidal	3	5											1		1		1					3	
OTHER VIOLENT CAUSES																							
UNKNOWN CAUSES	2	3												1				1				1	1
TOTAL FROM ALL CAUSES	830	1119	108	69	94	62	21	19	11	384	19	32	81	71	71	52	60	32	23	4	1	432	398
TOTAL FROM ZYMOTIC DISEASES	240	394	34	41	65	30	11	6	6	193	10	7	6	6	6	2	4	3	4			123	112
“ “ CONSTITUTIONAL DISEASES	192	227	20	11	6	11	2	5	3	58	2	13	37	30	27	11	12	2				96	96
“ “ LOCAL do.	296	379	19	17	20	17	7	8	2	90	4	7	28	27	31	37	39	20	11	2		151	145
“ “ DEVELOPMENTAL do.	60	75	34		2	3				39			2	1			2	5	8	2	1	24	36
“ “ VIOLENT CAUSES	40	41	1		1	1	1			4	3	5	8	6	8	2	3	1				32	8

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of July, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING JULY, 1888.			CASES REPORTED DURING JULY, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	97	....	Diphtheria	63	....
Measles	63	....	Measles	242	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	19	....	Scarlatina	29	....
Typhoid Fever	34	....	Typhoid Fever	54	1
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of July, 1888, as reported by J. W. SMITH, Sergeant Signal Corps, U. S. A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.90	57.0	90	N.E.	.11	Mean Barometer, **
2	30.16	60.5	68	W.	*T	Highest Barometer, 30.30, on the 18th
3	30.18	68.0	56	S.W.	.00	Lowest Barometer, 29.39, on the 12th.
4	30.03	71.5	60	W.	.00	Monthly Range of Barometer, .91.
5	29.81	74.0	75	W.	*T	Mean Temperature, 68.3.
6	29.89	73.0	47	W.	.00	Highest Temperature, 88.0, on the 23d
7	29.75	76.5	48	N.	.00	Lowest Temperature, 51.0, on the 1st.
8	29.91	68.5	51	W.	.00	Monthly Range of Temperature, 37.0.
9	29.93	68.0	67	W.	.00	Greatest Daily Range of Temperature, 26.9, on the 4th.
10	29.90	73.0	52	S.W.	.00	Least Daily Range of Temperature, 7.7, on the 18th.
11	29.66	69.5	72	W.	.01	Mean Daily Range of Temperature, 17.3.
12	29.48	65.0	46	W.	.11	Mean Daily Dew-point, **
13	29.71	65.5	60	N.	.00	Mean Daily Relative Humidity, **
14	29.97	71.0	54	N.W.	.00	Prevailing Direction of Wind, W.
15	30.08	69.5	55	S.W.	.00	Total Movement of Wind, 8,027 Miles.
16	30.20	63.0	77	E.	.00	Highest Velocity of Wind and Direction, 42 W. on the 12th.
17	30.28	65.5	63	E.	.00	Number of Foggy Days, 0.
18	30.26	68.0	74	S.	.00	" Clear " 10.
19	30.11	67.5	82	S.W.	.01	" Fair " 11.
20	30.04	70.5	86	S.W.	.69	Number of Cloudy " 10.
21	30.14	70.0	79	S.	.00	Total Number of Days on which Rain fell, 13.
22	30.04	64.0	100	N.	.64	Depth of unmelted Snow on ground at end of month, 0.
23	29.92	72.5	82	W.	.09	Dates of Auroras, 0.
24	29.92	75.0	56	W.	.00	Dates of Solar Halos, 0.
25	30.03	71.5	53	W.	.00	Dates of Lunar Halos, 0.
26	30.02	69.5	69	N.	.00	Thunder storm, 12th and 23d.
27	30.05	63.5	84	N.	.12	Dates of Frosts, 0.
28	* 30.10	60.5	73	N.E.	.01	Mean Max. Temp., 77.4.
29	30.20	63.0	74	W.	*T	Mean Min. Temp., 60.1.
30	30.01	71.5	70	S.W.	.00	
31	29.88	73.0	87	S.W.	*T	
TOTALS	**	2116.5	**		1.79	
MEANS	**	68.3	**		.058	

COMPARATIVE TEMPERATURE.			
1871	71	1880	70
1872	75	1881	68
1873	73	1882	72
1874	73	1883	71
1875	71	1884	64
1876	74	1885	71
1877	70	1886	71
1878	73	1887	73
1879	70	1888	68

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	3.24	1880	6.86
1872	4.00	1881	2.96
1873	3.84	1882	3.91
1874	3.47	1883	2.73
1875	3.93	1884	4.25
1876	5.86	1885	1.44
1877	2.27	1886	1.81
1878	4.58	1887	3.59
1879	3.09	1888	1.79

Average July temperature for 18 years, 71.0.

Average July precipitation for 18 years, 3.53.

*T indicates trace of precipitation.

** Not stated.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of August, 1888.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of August, 1888, 988
Population estimated at 415,000. Rate per 1,000 inhabitants, 28.5

Total number 988

SEX.

Males 502

Females 486

CONDITION.

Married 231

Single 648

Widows 71

Widowers 28

Unknown 10

COLOR.

White 965

Colored 23

Total deaths of children { Under 1 year 374
Under 2 years 436
Under 5 years 473

Diarrhoeal diseases { Under 1 year 189
Under 2 years 218
Under 5 years 220
All ages 258

NATIVITY.

United States 691

Ireland 187

England 17

Scotland 7

Germany 19

British America 39

Other Countries 13

Unknown 15

PARENTAGE.

United States 218

Irish 377

English 18

Scotch 12

German 35

British American 56

Other Countries 95

Mixed 91

Unknown 86

Still-births during the month 40

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for August, 1888.	Total Mortality for August, 1887.	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	7	5																				5	2	
CROUP	8	3				3	3	1		7	1											4	4	
CARUNCLE																								
CHOLERA MORBUS	15	12		1						1	2	1	1	3	2	1		3		1		11	4	
CHOLERA INFANTUM	192	175	39	40	83	27	1		1	191	1										95	97		
CEREBRO-SPINAL MENINGITIS	3	1		1	2					3													3	
CONGESTIVE FEVER																								
DIARRHŒA	35	34	7	4	11	2				24			2			1	3	5				22	13	
DYSENTERY	16	18			4					4	3		2			2	1	3	1			5	11	
DIPHTHERIA	27	14			1	3	7	4	3	18	7	2									15	12		
ERYSIPELAS	2			1						1				1								2		
INTERMITTENT FEVER	1															1							1	
INFLUENZA																								
MEASLES		4																						
PURPURA																								
PUERPERAL FEVER	1	1												1									1	
PYEMIA	1	4	1							1												1		
REMITTENT FEVER	1																1						1	
RHEUMATISM	3	1											1		2								3	
SCARLATINA	1	7									1												1	
SMALL POX																								
SYPHILIS (CONGENITAL)	3	3	3							3													3	
SYPHILIS		1																						
SEPTICÆMIA	2	3												1						1			2	
TONSILLITIS																								
TYPHOID FEVER	19	23										3	9	5	1			1				9	10	
TYPHUS FEVER																								
WHOOPING COUGH	8	19	1	1	3	2	1			8												3	5	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES	1		1							1													1	
II. CONSTITUTIONAL.																								
CANCER	17	29												1	6	5	2	2	1			4	13	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	22	18	3	1	6	4	5			19	2		1								17	5		
MARASMUS, SCROFULA AND TABES MESENTERICA	51	56	23	11	8	3				45		2	2			1				1	26	25		
PHTHISIS PULMONALIS	117	118	1	2	1					4		15	41	21	19	8	7	2				48	69	
OTHER CONSTITUTIONAL DISEASES	10	11				1		1		2	2	1		2	1		1	1					7	

of August, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for August, 1888.	Total Mortality for August, 1887.	AGE.																	SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 yrs.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
Apoplexy	29	26										1		2	2	4	12	4	4			18	11
Bright's Disease	17	12	1				1			2	1		1	2	4	5	1		1			5	1
Bronchitis	21	22	1	4	2	2		1		10	1	1		2	2	2		1	2			9	12
Heart Disease	39	40				1				1	2	1	3	4	8	7	5	5	3			19	20
Meningitis	30	26	5	6	7	2	1		1	22	3			1		2	1		1			12	19
Nephritis	9	12									1		1	1	2		2	2				5	4
Pleurisy																							
Pneumonia	17	27				3	1			4	1		4	1	2		3		2			10	7
Other Local Diseases	147	134	19	10	13	6	1	1	1	51	5	5	10	8	12	21	21	12	2			73	74
IV. DEVELOPMENTAL.																							
Cyanosis	3	1	3							3												2	1
Inanition	7	8	5	2						7												5	2
Old Age	21	28															3	3	13	2		12	9
Premature Birth	13	16	13							13												6	7
Puerp'l Diseases (not including Puerp'l Fever)	2	3										1	1										2
Other Developmental Diseases	24	19	16		4	1	1			22	1								1			20	4
V. VIOLENT.																							
Accidental	32	33			1	2		1		4	1	1	9	4	5	5		3				25	7
Homicidal	2	1										2										2	
Suicidal	6	3									1	1	2		2							5	1
Other Violent Causes		3																					
Unknown Causes	6	2	2							2			1		1	2						4	2
TOTAL FROM ALL CAUSES	988	976	144	84	146	62	22	9	6	473	35	34	95	66	70	69	63	47	31	5		602	486
TOTAL FROM ZYMOTIC DISEASES																							
“ “ Constitutional Diseases	217	232	27	14	15	8	5	1		70	4	18	43	25	26	14	10	5	1	1		98	119
“ “ Local do.	309	299	26	20	22	14	4	2	2	90	14	8	19	21	32	41	45	24	15			151	158
“ “ Developmental do.	70	75	37	2	4	1	1			45	1		1	1			3	3	14	2		45	25
“ “ Violent Causes	40	40			1	2		1		4	1	2	12	6	5	7		3				32	8

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of August, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING AUGUST, 1888.			CASES REPORTED DURING AUGUST, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	94	....	Diphtheria	41	....
Measles	10	....	Measles	76	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	11	....	Scarlatina	51	....
Typhoid Fever	84	....	Typhoid Fever	109	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of August, 1888. as reported by J. W. SMITH, Sergeant Signal Corps, U. S. A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.93	67	67	W.	.26	Mean Barometer, 29.96.
2	29.97	74	58	W.	.00	Highest Barometer, 30.32, on the 11th
3	29.98	72	62	S.W.	.00	Lowest Barometer, 29.57, on the 22d.
4	29.80	74	80	S.W.	*T	Monthly Range of Barometer, .75.
5	29.82	74	86	N.E.	.00	Mean Temperature, 69.0.
6	29.96	62	98	N.E.	.88	Highest Temperature, 88.2, on the 5th.
7	29.96	60	92	E.	.14	Lowest Temperature, 52.0, on the 23d.
8	30.01	65	88	S.	.00	Monthly Range of Temperature, 36.2.
9	29.98	76	68	N.W.	.02	Greatest Daily Range of Temperature, 36.0, on the 30th.
10	30.20	70	57	N.	.00	Least Daily Range of Temperature, 5.0, on the 6th.
11	30.30	66	66	N.E.	.00	Mean Daily Range of Temperature, 17.4.
12	30.20	64	80	E.	.04	Mean Daily Dew-point, 58.5
13	29.88	62	96	W.	1.44	Mean Daily Relative Humidity, 70.7
14	30.01	66	62	W.	.00	Prevailing Direction of Wind, W.
15	30.04	72	71	S.	.00	Total Movement of Wind, 8,435 Miles.
16	29.98	78	75	S.W.	.03	Highest Velocity of Wind and Direction, 45 E. on the 22d.
17	29.90	78	80	W.	.23	Number of Foggy Days, 0.
18	29.96	74	67	W.	.67	" Clear " 0.
19	29.99	72	52	W.	.02	" Fair " 0.
20	30.00	67	72	S.	.00	Number of Cloudy " 0.
21	29.82	66	68	S.	.04	Total Number of Days on which Rain fell, 12.
22	29.68	64	68	N.W.	3.36	Depth of unmelted Snow on ground at end of month, 0.
23	30.00	60	57	W.	.00	Dates of Auroras, 0.
24	29.90	70	60	W.	.00	Dates of Solar Halos, 0.
25	29.94	74	60	N.W.	.09	Dates of Lunar Halos, 15th and 17th.
26	29.94	72	60	N.W.	.00	Thunder storm, 0.
27	29.87	70	66	W.	.00	Dates of Frosts, 0.
28	29.94	60	60	W.	.00	Mean Max. Temp., 78.3.
29	29.90	65	56	W.	.60	Mean Min. Temp., 61.4.
30	29.93	70	69	S.W.	.00	
31	29.98	70	78	S.	.00	
TOTALS	**	**	**		6.53	
MEANS	29.90	69.0	70.7	W.	.211	

COMPARATIVE TEMPERATURE.			
1871	72	1880	69
1872	72	1881	70
1873	69	1882	70
1874	68	1883	68
1875	71	1884	68
1876	70	1885	67
1877	71	1886	68
1878	68	1887	67
1879	68	1888	69

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871	3.06	1880	2.40
1872	3.70	1881	1.23
1873	6.21	1882	1.46
1874	6.67	1883	0.39
1875	3.50	1884	5.01
1876	1.23	1885	7.64
1877	4.49	1886	3.64
1878	7.66	1887	3.05
1879	6.71	1888	6.53

Average August temperature for 18 years, 69.

Average August precipitation for 18 years, 4.55.

*T indicates trace of precipitation.

**Not stated.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of September, 1888.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of September, 1888, 831
Population estimated at 415,000. Rate per 1,000 inhabitants, 24.0

Total number 831

SEX.

Males 428

Females 403

CONDITION.

Married 210

Single 528

Widows 51

Widowers 26

Unknown 16

COLOR.

White 814

Colored 17

Total deaths of children { Under 1 year 269
Under 2 years 322
Under 5 years 365

Diarrhœal diseases { Under 1 year 91
Under 2 years 109
Under 5 years 109
All ages 124

NATIVITY.

United States 583

Ireland 154

England 17

Scotland 2

Germany 13

British America 29

Other Countries 16

Unknown 17

PARENTAGE.

United States 202

Irish 296

English 18

Scotch 8

German 29

British American 44

Other Countries 67

Mixed 87

Unknown 80

Still-births during the month 55

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.		Total Mortality for September, 1888.	Total Mortality for September, 1887.	AGE.																			SEX.	
I. ZYMOTICS.				Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
ALCOHOLISM		2	3										2									2		
CROUP		3	3			1	1	1		3												2	1	
CARUNCLE																								
CHOLERA MORBUS		1	5														1					1		
CHOLERA INFANTUM		84	46	14	27	29	14			84												45	39	
CEREBRO-SPINAL MENINGITIS			2																					
CONGESTIVE FEVER																								
DIARRHŒA		31	22	8	6	6	3			23				1			5	1		1		13	13	
DYSENTERY		8	9			1	1			2				1		1	1	2	1			2	6	
DIPHTHERIA		31	25				3	6	3	5	17	13	1									19	12	
ERYSIPELAS			1																					
INTERMITTENT FEVER																								
INFLUENZA																								
MEASLES			1																					
PURPURA		1	1							1	1											1		
PUERPERAL FEVER		1											1										1	
PYÆMIA			2																					
REMITTENT FEVER		1														1							1	
RHEUMATISM		3	5											2		1						3		
SCARLATINA		1	20										1									1		
SMALL POX																								
SYPHILIS (CONGENITAL)		4	2	2		1	1			4												1	3	
SYPHILIS		1	1											1									1	
SEPTICÆMIA		1	1											1									1	
TONSILLITIS																								
TYPHOID FEVER		21	34									1	5	9	4	2						14	7	
TYPHUS FEVER		1												1									1	
WHOOPING COUGH		7	19	1		2	3	1		7												1	6	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES		2														2						2		
II. CONSTITUTIONAL.																								
CANCER		17	25										1	3	3	5	3	2				5	12	
HYDROCEPHALUS AND TUBERC. MENINGITIS		13	19	4	1	3	3			11		2										3	10	
MARASMUS, SCROFULA AND TABES MESENTERICA		63	47	22	14	14	5	1		56	1	2	1				1	1	1			34	29	
PHTHISIS PULMONALIS		107	123	3	1				1	1	6		12	32	28	20	3	5	1			48	59	
OTHER CONSTITUTIONAL DISEASES		10	5		1	2		1		4			5			1						3	7	

of September, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for September, 1888.	Total Mortality for September, 1887.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	23	19									1				5	2	6	6	3			11	12	
Bright's Disease	8	11												3			2	3				5		
Bronchitis	18	30		2	4	2	3	1		12					1	2	2		1			6	12	
Heart Disease	45	49					1			1		4	1	5	5	13	5	10	1			23	22	
Meningitis	14	22	1	2	3	1	4	1		12		1	1									7	7	
Nephritis	12	7									1		1	2	1	1	3	3				6	6	
Pleurisy		3																						
Pneumonia	39	39	1	2	3	5	2	1		14	1	2	3	6	6	3	2	1	1			26	13	
Other Local Diseases	155	118	24	8	14	9	5	1	2	63	4	5	9	16	18	14	10	18	1			87	71	
IV. DEVELOPMENTAL.																								
Cyanosis		2																						
Inanition	5	7	5							5												2	3	
Old Age	16	25																8	5	2	1	4	12	
Premature Birth	12	16	11		1					12												7	5	
Puerp'l Diseases (not including Puerp'l Fever)	1	1											1										1	
Other Developmental Diseases . .	28	16	20	2	2	1				25					1		2					13	15	
V. VIOLENT.																								
Accidental	33	28				1		1	2	5	2	8	7	2	5			2				28	5	
Homicidal		1																						
Suicidal	3	1											1	1		1						2	1	
Other Violent Causes																								
Unknown Causes	2	1	1							1						1						1	1	
TOTAL FROM ALL CAUSES	831	817	117	66	86	53	25	9	9	363	27	36	77	82	64	54	50	58	14	3	1	428	403	
TOTAL FROM ZYMOTIC DISEASES																								
“ “ Constitutional Diseases	204	202	25	33	40	24	8	3	6	141	14	6	13	11	2	3	9	3	1	1		107	67	
“ “ Local do.	210	219	29	17	19	8	2	1	1	77	1	16	39	31	23	9	9	4	1			93	117	
“ “ Developmental do.	317	298	26	14	24	17	15	4	2	102	7	12	15	32	36	35	30	41	7			171	146	
“ “ Violent Causes	62	67	36	2	3	1				42			1		1		2	8	5	2	1	26	36	
“ “ Violent Causes	36	30				1		1	2	5	2	9	8	2	6		2					30	6	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of September, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING SEPTEMBER, 1888.			CASES REPORTED DURING SEPTEMBER, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	95	....	Diphtheria	53	....
Measles	13	....	Measles	3	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	16	....	Scarlatina	142	....
* Typhoid Fever	188	1	Typhoid Fever	165	....
Typhus Fever	1	....	Typhus Fever . . . . .	..	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	..	....

* Fifty-seven additional cases reported from Hospitals outside the city.

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of September, 1888. as reported by J. W. SMITH, Sergeant Signal Corps.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.81	70	92	N.W.	.21	Mean Barometer, 30.084.
2	30.08	67	76	N.E.	.00	Highest Barometer, 30.66, on the 7th
3	30.28	63	76	S.	.00	Lowest Barometer, 29.46, on the 26th.
4	30.13	62	77	E.	.04	Monthly Range of Barometer, 1.20.
5	30.14	62	63	N.	.00	Mean Temperature, 58.9.
6	30.52	51	56	E.	.00	Highest Temperature, 78.3, on the 1st.
7	30.61	54	60	S.E.	.00	Lowest Temperature, 36.2, on the 30th.
8	30.19	65	85	S.W.	.22	Monthly Range of Temperature, 42.1.
9	29.98	70	86	S.W.	.08	Greatest Daily Range of Temperature, 25.1, on the 14th.
10	29.94	68	74	N.	1.09	Least Daily Range of Temperature, 2.0, on the 21st.
11	30.16	62	74	N.	.00	Mean Daily Range of Temperature, 12.5.
12	29.86	63	91	S.	.51	Mean Daily Dew-point, 51.6.
13	29.94	62	63	W.	.05	Mean Daily Relative Humidity, 77.3.
14	30.14	58	58	W.	.00	Prevailing Direction of Wind, N.
15	30.31	60	70	E.	.00	Total Movement of Wind, 6,899 Miles.
16	30.17	62	85	S.	.01	Highest Velocity of Wind and Direction, 60 N. on the 26th.
17	30.07	68	84	N.E.	.09	Number of Foggy Days, 0.
18	30.12	58	94	N.	1.57	" Clear " 8.
19	30.16	57	87	S.E.	.01	" Fair " 7.
20	30.14	59	90	E.	.00	Number of Cloudy " 15.
21	30.02	58	94	N.	.71	Total Number of Days on which Rain fell, 17.
22	30.06	56	88	N.	.06	Depth of unmelted snow on ground at end of month, 0.
23	30.17	56	85	N.	.01	Dates of Auroras, 0.
24	30.23	52	78	E.	.01	Dates of Solar Halos, 0.
25	30.03	50	82	E.	.00	Dates of Lunar Halos, 0.
26	29.52	52	88	W.	2.08	Thunder storm, 0.
27	29.80	62	74	W.	.00	Dates of Frosts, light, 29th; killing, 30th.
28	29.94	54	67	N.W.	.02	Mean Max. Temp., 66.0.
29	30.04	45	66	N.	.00	Mean Min. Temp., 53.6.
30	29.98	44	58	W.	*T	
TOTALS		1769.0			6.77	
MEANS	30.084	59.0	77.3	N.	.226	

COMPARATIVE TEMPERATURE.			
1871	59.3	1880	64.1
1872	63.9	1881	65.7
1873	62.4	1882	62.7
1874	64.3	1883	59.3
1875	59.3	1884	65.8
1876	58.8	1885	69.6
1877	63.9	1886	62.7
1878	63.1	1887	69.6
1879	60.7	1888	68.9

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	1.30	1880	2.36
1872	6.04	1881	2.50
1873	2.91	1882	10.93
1874	2.05	1883	1.50
1875	3.12	1884	0.31
1876	3.84	1885	1.70
1877	0.60	1886	2.73
1878	3.47	1887	0.97
1879	1.84	1888	6.77

Average September temperature for 13 years, 61.9.

Average September precipitation for 18 years, 3.05.

*T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of October, 1888.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of October, 1888, 825
Population estimated at 415,000. Rate per 1,000 inhabitants, 23.8

Total number 825

SEX.

Males 426

Females 399

CONDITION.

Married 244

Single 475

Widows 70

Widowers 25

Unknown 11

COLOR.

White 799

Colored 26

Total deaths of children { Under 1 year 162
Under 2 years 209
Under 5 years 263

Diarrhœal diseases { Under 1 year 21
Under 2 years 24
Under 5 years 24
All ages 30

NATIVITY.

United States 542

Ireland 187

England 15

Scotland 4

Germany 6

British America 42

Other Countries 14

Unknown 15

PARENTAGE.

United States 201

Irish 318

English 17

Scotch 5

German 7

British American 42

Other Countries 74

Mixed 80

Unknown 81

Still-births during the month 38

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for October, 1888.	Total Mortality for October, 1887.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	9	7											1	3	4	1						5	4	
CROUP	5	9				2		3	5												4	1		
CARBUNCLE																								
CHOLERA MORBUS																								
CHOLERA INFANTUM	16	15	3	3	7	3			16												10	6		
CEREBRO-SPINAL MENINGITIS	4	3		1		1			2	1	1										1	3		
CONGESTIVE FEVER																								
DIARRHŒA	9	20	2	2		1			5						2	1			1		4	5		
DYSENTERY	5	2		1		2			3						2						1	4		
DIPHTHERIA	51	31			1	7	7	8	4	27	19	3	2								21	30		
ERYSIPELAS	2	1														1	1				2			
INTERMITTENT FEVER																								
INFLUENZA																								
MEASLES	2	1				2			2													2		
PURPURA																								
PUERPERAL FEVER	2	2									1		1									2		
PYÆMIA	2	1	1						1							1					2			
REMITTENT FEVER																								
RHEUMATISM	2	5										1					1				1	1		
SCARLATINA	1	24				1			1													1		
SMALL POX																								
SYPHILIS (CONGENITAL)	1	2				1			1													1		
SYPHILIS	1												1									1		
SEPTICÆMIA	1	1														1						1		
TONSILLITIS		2																						
TYPHOID FEVER	42	21						1	1	3	7	16	9	3	1	2					20	13		
TYPHUS FEVER																								
WHOOPING COUGH	3	3	1		1	1			3												2	1		
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES																								
II. CONSTITUTIONAL.																								
CANCER	25	30												2	6	7	7	3			8	17		
HYDROCEPHALUS AND TUBERC. MENINGITIS	24	12	3	2	5	3	2	2	1	18	1	3	1			1					12	12		
MAHARIS, SCROFULA AND TABES MESENTERICA	43	37	19	8	8	3		1	39		1			1			1	1			20	23		
PHTHISIS PULMONALIS	124	127			1	2	1	1	5		10	32	42	19	8	5	2	1			64	60		
OTHER CONSTITUTIONAL DISEASES	10	3			1	1			2	1	1	2	2	1				1			4	5		

of October, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for October, 1888.	Total Mortality for October, 1887.	AGE.																			SEX.	
			Under 3 mos. 3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																							
Apoplexy	17	33										1	1	1	3	7	3	1				6	11
Bright's Disease	10	9												2		5	1	1				5	5
Bronchitis	38	49	4	4	6	3			1	18	1		1	1	4	1	5	5	2			17	21
Heart Disease	57	66	2	1	1					4	1	2	5	4	8	8	17	6	1	1		34	23
Meningitis	13	18	2	1	1	6		1		11			1	1								7	6
Nephritis	17	12					1	1		2				3	3	3	4		2			11	6
Pleurisy	1	1													1								1
Pneumonia	62	47	3	1	2	4	5	2	2	19		1	2	7	7	5	13	4	4			27	35
Other Local Diseases	143	119	16	6	4	5	5	2		38	4	8	14	15	15	13	19	9	7	1		73	70
IV. DEVELOPMENTAL.																							
Cyanosis	1	1	1							1												1	
Inanition	7	10	6		1					7												3	4
Old Age	10	28															1	1	7		1	4	6
Premature Birth	11	17	11							11												10	1
Puer'l. Diseases (not including Puer'l Fever)	1	1												1									1
Other Developmental Diseases . .	22	25	13	2	2		1			18						1	1	2				14	8
V. VIOLENT.																							
Accidental	27	31		1		1				2	1		9	5	5	3	1	1				21	6
Homicidal																							
Suicidal	2	6											2									2	
Other Violent Causes	1	1															1					1	
Unknown Causes	1	5			1					1													1
TOTAL FROM ALL CAUSES	825	838	87	33	42	47	24	22	8	263	32	38	94	99	82	65	81	41	27	2	1	426	399
TOTAL FROM ZYMOTIC DISEASES	158	150	7	7	9	19	9	12	4	67	23	12	21	13	11	6	4		1			82	76
“ “ CONSTITUTIONAL DISEASES	226	209	22	10	15	9	3	4	1	64	2	15	35	46	27	16	12	6	3			108	118
“ “ LOCAL do.	358	354	27	13	14	13	11	6	3	92	6	11	27	34	39	39	62	30	16	2		180	178
“ “ DEVELOPMENTAL do.	52	82	31	2	3		1			37				1		1	2	3	7		1	32	20
“ “ VIOLENT CAUSES	30	35		1		1				2	1		11	5	5	3	1	2				24	6

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of October, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING OCTOBER, 1888.			CASES REPORTED DURING OCTOBER, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	146	....	Diphtheria	112	....
Measles	17	....	Measles	23	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	52	....	Scarlatina	211	....
Typhoid Fever	196	2	Typhoid Fever	122	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of October, 1888. as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.76	48	79	S.E.	.13	Mean Barometer, 29.942.
2	29.54	56	83	W.	.30	Highest Barometer, 30.52, on the 26th.
3	29.80	42	73	N. & N.W.	T	Lowest Barometer, 29.34, on the 8th.
4	30.10	44	56	S.W.	.00	Monthly Range of Barometer, 1.18.
5	30.04	57	74	S.W.	.00	Mean Temperature, 47.1.
6	29.95	55	86	S.	.24	Highest Temperature, 69.0, on the 5th.
7	29.51	58	85	N.W.	.96	Lowest Temperature, 33.8, on the 22d.
8	29.37	50	63	W.	.00	Monthly Range of Temperature, 35.2.
9	29.66	40	66	W.	.00	Greatest Daily Range of Temperature, 23.5, on the 31st.
10	29.90	41	56	N.	.00	Least Daily Range of Temperature, 2.5, on the 14th.
11	29.98	45	72	N.E.	.00	Mean Daily Range of Temperature, 13.2.
12	29.90	49	84	N.E.	.06	Mean Daily Dew-point, 37.8.
13	29.76	48	86	N.	.13	Mean Daily Relative Humidity, 71.6.
14	29.90	41	84	N.W.	.09	Prevailing Direction of Wind, N.W.
15	30.02	44	66	S.W.	.00	Total Movement of Wind, 8,301 Miles.
16	30.06	52	68	S.	T	Highest Velocity of Wind and Direction, 37 W. on the 29th.
17	29.92	50	85	N.W.	.06	Number of Foggy Days, 0.
18	30.08	45	66	N.W.	.00	" Clear " 7.
19	30.01	44	78	W.	.00	" Fair " 9.
20	29.78	48	74	W.	.38	Number of Cloudy " 15.
21	30.04	40	56	W.	.00	Total Number of Days on which Rain or Snow fell, 13.
22	30.21	41	50	W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.04	48	65	S.W.	.00	Dates of Auroras, 0.
24	29.80	48	85	N.W.	.81	Dates of Solar Halos, 0.
25	30.26	46	64	N.	.00	Dates of Lunar Halos, 20th.
26	30.50	44	50	S.E.	T	Thunder storm, 0.
27	30.29	50	96	E.	.05	Dates of Frosts, 11th, 15th, 22d.
28	29.77	58	80	W.	.33	Mean Max. Temp., 64.3.
29	29.77	45	60	W.	.04	Mean Min. Temp., 41.1.
30	30.16	40	56	W.	.00	
31	30.29	46	45	S.W.	.00	
TOTALS					3.58	
MEANS	29.942	47.1	71.6	N.W.	.115	

COMPARATIVE TEMPERATURE.			
1871	54.0	1880	50.9
1872	51.7	1881	53.3
1873	52.8	1882	54.6
1874	53.1	1883	47.4
1875	49.2	1884	52.3
1876	47.8	1885	51.1
1877	50.8	1886	51.5
1878	54.9	1887	51.0
1879	56.0	1888	47.1

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	5.88	1880	3.15
1872	4.85	1881	2.84
1873	5.33	1882	2.29
1874	1.39	1883	6.40
1875	4.99	1884	3.17
1876	1.66	1885	5.71
1877	8.84	1886	3.27
1878	6.76	1887	2.53
1879	0.91	1888	3.58

Average October temperature for 18 years, 5.16.

Average October precipitation for 18 years, 4.09.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of November, 1888.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of November, 1888, 732
Population estimated at 415,000. Rate per 1,000 inhabitants, 21.1

Total number	732	NATIVITY.	
SEX.		United States	495
Males	398	Ireland	138
Females	334	England	12
CONDITION.		Scotland	6
Married	220	Germany	6
Single	411	British America	40
Widows	67	Other Countries	18
Widowers	23	Unknown	17
Unknown	11	PARENTAGE.	
COLOR.		United States	196
White	714	Irish	251
Colored	18	English	14
Total deaths of children	Under 1 year	Scotch	8
	Under 2 years	German	21
	Under 5 years	British American	29
Diarrhoeal diseases	Under 1 year	Other Countries	66
	Under 2 years	Mixed	80
	Under 5 years	Unknown	67
	All ages	Still-births during the month	48

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	AGE.																			SEX.						
	Total Mortality for November, 1888.		Total Mortality for November, 1887.		Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																										
ALCOHOLISM	4	5															3	1							4	
CROUP	13	10					2	5	1		8	5													7	6
CARBUNCLE																										
CHOLERA MORBUS																										
CHOLERA INFANTUM	3	6	3								3														1	2
CEREBRO-SPINAL MENINGITIS	2													1		1									1	1
CONGESTIVE FEVER																										
DIARRHŒA	16	9	3	6	2	1					12				2		1			1					8	8
DYSSENTERY		1																								
DIPHTHERIA	51	36			1	8	12	7	5	33	10	4	2			1	1								27	24
ERYSIPELAS																										
INTERMITTENT FEVER																										
INFLUENZA																										
MEASLES	1	1											1													1
PURPURA																										
PUERPERAL FEVER		1																								
PYÆMIA	1	1		1							1														1	
REMITTENT FEVER																										
RHEUMATISM	1	2															1								1	
SCARLATINA	1	49											1													1
SMALL POX																										
SYPHILIS (CONGENITAL)	1	2	1								1														1	
SYPHILIS		2																								
SEPTICÆMIA	2	2														1		1							1	1
TONSILLITIS																										
TYPHOID FEVER	17	17								1	1		1	10		2	1	1	1						11	6
TYPHUS FEVER																										
WHOOPING COUGH	3	1			1	1	1				3														3	
YELLOW FEVER																										
OTHER ZYMOTIC DISEASES	1	1												1											1	
II. CONSTITUTIONAL.																										
CANCER	17	32													5	3	2	6	1						4	13
HYDROCEPHALUS AND TUBERC. MENINGITIS	15	9	3		3	1	2				9	3	1		1				1						9	6
MARASMUS, SCROFULA AND TABES MESENTERICA	29	21	18	2	2	2	1				25					1	1	2							19	10
PHTHISIS PULMONALIS	112	126	3	1			1				5	2	14	33	30	6	12	4	3	3					49	63
OTHER CONSTITUTIONAL DISEASES	16	8			1	1	1		1	4		2	4	2	2		1					1			9	7

of November, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for November, 1888.	Total Mortality for November, 1887.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	26	18											3	4	5	6	4	4				12	14	
Bright's Disease	17	8						1	1	1		3	2	2	2	2	3	1				9		
Bronchitis	31	56	8	5	2	6				21	1				1		4	3	1			9	22	
Heart Disease	54	60			2					2		6	7	2	13	7	11	4	2			34	20	
Meningitis	17	24	3	4	2	2	1		1	13						3			1			8	9	
Nephritis	4	16							1	1			1	1				1				4		
Pleurisy		2																						
Pneumonia	63	105	2	2	3	5	4	1		17	2	2	10	10	4	10	4	1	3			44	19	
Other Local Diseases	127	88	19	10	5	9	3	1	2	49		3	12	11	8	13	14	10	6	1		72	55	
IV. DEVELOPMENTAL.																								
Cyanosis	1	3	1							1													1	
Inanition	1	2	1							1												1		
Old Age	15	20															1	2	10	2		4	11	
Premature Birth	9	12	8	1						9												4	5	
Puerp'l Diseases (not including Puerp'l Fever)	3	2											1	2									3	
Other Developmental Diseases . .	18	13	11		1					12						1	2	1	1	1		8	10	
V. VIOLENT.																								
Accidental	33	32		1		1	1	1	1	5	1	3	7	5	7	3	1		1			28	5	
Homicidal																								
Suicidal	4	3											1		1		1	1				3	1	
Other Violent Causes																								
Unknown Causes	3	2					1			1						1				1		1	2	
TOTAL FROM ALL CAUSES	732	808	84	33	25	39	33	11	13	238	25	38	93	76	60	65	61	36	34	5	1	398	334	
TOTAL FROM ZYMOTIC DISEASES	117	146	7	7	4	12	18	8	6	62	15	7	14	2	8	5	2	1	1			67	50	
“ “ CONSTITUTIONAL DISEASES	189	196	24	3	6	4	5		1	43	5	17	37	38	12	15	13	5	3	1		90	99	
“ “ LOCAL do.	339	377	32	21	14	22	8	2	5	104	4	11	33	29	32	40	41	26	18	1		192	147	
“ “ DEVELOPMENTAL do.	47	52	21	1	1					23			1	2		1	3	3	11	3		17	30	
“ “ VIOLENT CAUSES	37	35		1		1	1	1	1	5	1	3	8	5	8	3	2	1	1			31	6	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of November, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING NOVEMBER, 1888.			CASES REPORTED DURING NOVEMBER, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	156	....	Diphtheria	101	....
Measles	85	....	Measles	30	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	29	....	Scarlatina	322	....
Typhoid Fever	131	1	Typhoid Fever	74	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of November, 1888, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.20	57	66	S.W.	.00	Mean Barometer, 30.124.
2	30.08	58	74	S.W.	.00	Highest Barometer, 30.83, on the 18th.
3	29.83	56	72	W.	.03	Lowest Barometer, 29.44, on the 10th.
4	30.32	48	55	W.	.00	Monthly Range of Barometer, 1.39.
5	30.27	54	67	S.W.	.00	Mean Temperature, 43.1.
6	29.96	63	84	S.W.	T	Highest Temperature, 74.0, on the 1st.
7	30.16	52	60	W.	.00	Lowest Temperature, 12.8, on the 23d.
8	30.44	45	71	E.	.01	Monthly Range of Temperature, 61.2.
9	29.94	57	89	S.W.	.17	Greatest Daily Range of Temperature, 24.2, on the 14th.
10	29.66	46	98	N.E.	1.11	Least Daily Range of Temperature, .5, on the 27th.
11	29.76	44	60	W.	.02	Mean Daily Range of Temperature, 14.7.
12	30.19	40	48	W.	.00	Mean Daily Dew-point, 34.8.
13	30.55	51	62	W.	.00	Mean Daily Relative Humidity, 73.8.
14	30.36	48	70	S.W.	.00	Prevailing Direction of Wind, S.W.
15	30.34	52	87	N.W.	.47	Total Movement of Wind, 10,060 Miles.
16	29.85	46	82	W.	T	Highest Velocity of Wind and Direction, 60 N.E. on the 26th.
17	30.34	55	63	N.W.	.11	Number of Foggy Days, 0.
18	30.80	52	63	W.	.00	" Clear " 8.
19	30.26	45	85	N.	.30	" Fair " 9.
20	30.40	52	58	N.W.	.04	Number of Cloudy " 13.
21	30.58	22	65	N.	.00	Total Number of Days on which Rain or Snow fell, 14.
22	30.50	24	72	N.W.	T	Depth of unmelted Snow on ground at end of month, 0.
23	30.70	20	78	N.	T	Dates of Auroras, 0.
24	30.55	32	70	N.W.	.00	Dates of Solar Halos, 0.
25	30.06	54	93	N.E.	.38	Dates of Lunar Halos, 14th.
26	29.48	44	92	N.E.	1.42	Thunder storm, 0.
27	29.47	46	89	S.	.52	Dates of Frosts, 12th, 13th.
28	29.75	44	79	W.	.01	Mean Max. Temp., 43.8.
29	29.70	40	88	N.	.14	Mean Min. Temp., 43.8.
30	29.70	41	76	S.W.	.01	
TOTALS.....						
MEANS.....						
	30.124	46.1	73.8		.166	

COMPARATIVE TEMPERATURE.			
1871	37	1880	37
1872	40	1881	42
1873	33	1882	40
1874	41	1883	42
1875	34	1884	58
1876	40	1885	44
1877	43	1886	43
1878	40	1887	42
1879	39	1888	43

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871	6.42	1880	2.30
1872	3.66	1881	3.73
1873	8.34	1882	1.20
1874	2.85	1883	2.60
1875	5.47	1884	4.46
1876	11.03	1885	5.78
1877	9.02	1886	3.59
1878	8.94	1887	2.22
1879	2.97	1888	4.97

Average November temperature for 18 years, 4.04.

Average November precipitation for 18 years, 4.98.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of December, 1888.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of December, 1888, 781
Population estimated at 415,000. Rate per 1,000 inhabitants, 22.5

Total number 781		NATIVITY.	
SEX.		United States	515
Males	379	Ireland	164
Females	402	England	17
CONDITION.		Scotland	1
Married	261	Germany	11
Single	412	British America	47
Widows	81	Other Countries	20
Widowers	24	Unknown	6
Unknown	3	PARENTAGE.	
COLOR.		United States	196
White	758	Irish	294
Colored	23	English	18
Total deaths of children {		Scotch	4
		German	27
		British American	39
Under 1 year		Other Countries	72
Under 2 years		Mixed	62
Under 5 years		Unknown	69
Diarrhœal diseases {		Still-births during the month	47
Under 1 year			
Under 2 years			
Under 5 years			
All ages			

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.			AGE.																SEX.					
	Total Mortality for December, 1888.	Total Mortality for December, 1887.	Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	8	9												1	3	3	1						3	5
CROUP	15	12				1	3	5	1	10	5											7	8	
CARBUNCLE																								
CHOLERA MORBUS																								
CHOLERA INFANTUM	1	3			1					1												1		
CEREBRO-SPINAL MENINGITIS	1												1									1		
CONGESTIVE FEVER																								
DIARRHŒA	2	5	2							2													2	
DYSENTERY		3																						
DIPHTHERIA	53	45		1	1	5	12	12	6	37	9	5	1	1								25	27	
ERYSIPELAS	1	7				1				1													1	
INTERMITTENT FEVER																								
INFLUENZA																								
MEASLES	5	1			1	1	1	1	1	5												1	4	
PURPURA	1																1						1	
PUERPERAL FEVER	1	4											1										1	
PYŒMIA	1	1																	1				1	
REMITTENT FEVER																								
RHEUMATISM	1	4															1					1		
SCARLATINA	1	43					1			1													1	
SMALL POX																								
SYPHILIS (CONGENITAL)		1																						
SYPHILIS	2	1	1		1					2												1	1	
SEPTICŒMIA		1																						
TONSILLITIS	1	2				1				1													1	
TYPHOID FEVER	18	9									3	2	4	6	1	1		1				8	10	
TYPHUS FEVER																								
WHOOPING COUGH	3	7	1		2					3													3	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES	3			1						1			2									3		
II. CONSTITUTIONAL.																								
CANCER	20	25											2	1	3	6	3	5				11	9	
HYDROCEPHALUS AND TUBERC. MENINGITIS	11	11	1	2	2	3	3			11												4	7	
MARASMUS, SCROFULA AND TABES MESENTERICA	20	18	9	6	2	2	1			20												10	10	
PHTHISIS PULMONALIS	135	123		1		1				2	3	16	44	35	20	9	4	1	1			68	67	
OTHER CONSTITUTIONAL DISEASES	13	10			1	1	1	1		4	2	1	2	1	2			1				7	6	

of December, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for December, 1888.	Total Mortality for December, 1887.	AGE.																			SEX.	
																						Males.	Females.
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.		
III. LOCAL.																							
Apoplexy	24	36											12	1	5	5	8	2	1			18	6
Bright's Disease	11	21										1	1	1		3	3	1	1			6	
Bronchitis	41	53	2	2	10	3				17					4	4	7	7	2			19	23
Heart Disease	59	60					1	1		2		2	6	6	5	9	14	10	5			28	31
Meningitis	18	23	1	1	4	3		1	2	12		1	1	3	1							8	10
Nephritis	10	19											4	3		1	1	1				3	7
Pleurisy	2	3													1	1						1	1
Pneumonia	80	89	9	5	7	2	5	2		30	1		4	8	12	7	7	6	4		1	33	47
Other Local Diseases	114	131	11	8	1	4	3			27	1	9	8	13	13	11	14	9	8	1		54	60
IV. DEVELOPMENTAL.																							
Cyanosis	1	3	1							1												1	
Inanition	6	4	6							6												3	
Old Age	25	23														1	1	6	15	2		12	13
Premature Birth	20	14	20							20												13	7
Puerp'l Diseases (not including Puerp'l Fever)	2	3											1	1									2
Other Developmental Diseases	20	17	8		2	2				12			2	1		1	1	2	1			9	11
V. VIOLENT.																							
Accidental	27	18	1			1	1		1	4		4	3	5	4	4	3					17	10
Homicidal		2																					
Suicidal	2	7														1			1			1	1
Other Violent Causes		1																					
Unknown Causes	2		1							1					1							2	
TOTAL FROM ALL CAUSES	781	872	74	27	33	33	32	23	11	233	24	41	90	88	71	65	65	58	41	4	1	379	402
TOTAL FROM ZYMOTIC DISEASES	118	158	4	2	4	11	17	18	8	64	17	7	10	10	4	2	2	2				52	16
“ “ CONSTITUTIONAL DISEASES	199	187	10	9	5	7	5	1		37	5	17	48	37	25	15	7	6	2			100	99
“ “ LOCAL do.	359	435	23	16	22	12	9	4	2	98	2	13	26	34	37	41	51	42	22	2	1	170	189
“ “ DEVELOPMENTAL do.	74	64	35		2	2				39			3	2		2	2	8	16	2		37	37
“ “ VIOLENT CAUSES	29	28	1			1	1		1	4		4	3	5	4	5	3		1			13	11

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of December, 1888, and for the corresponding month in 1887.

CASES REPORTED DURING DECEMBER, 1888.			CASES REPORTED DURING DECEMBER, 1887.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	174	....	Diphtheria	130	....
Measles	160	....	Measles	41	....
Small Pox . . . . .	....	....	Small Pox	1	....
Scarlatina	40	....	Scarlatina	289	....
Typhoid Fever	67	....	Typhoid Fever	33	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of December, 1888. as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.80	36.0	64.5	W.	T	Mean Barometer, 29.979.
2	29.68	32.0	63.5	W.	.00	Highest Barometer, 30.57, on the 30th.
3	29.96	35.0	61.5	W.	.00	Lowest Barometer, 28.85, on the 18th.
4	29.78	34.0	81.0	W.	T	Monthly Range of Barometer, 1.72.
5	29.70	39.5	64.0	S.W.	T	Mean Temperature, 33.9.
6	29.82	33.0	80.5	N.W.	.01	Highest Temperature, 60.5, on the 25th.
7	30.01	30.5	56.0	S.W.	.00	Lowest Temperature, 5.3, on the 22d.
8	30.11	39.0	67.0	S.E.	.00	Monthly Range of Temperature, 55.2.
9	30.02	36.5	89.0	N.E.	.42	Greatest Daily Range of Temperature, 31.6, on the 23d and 24th.
10	30.10	35.5	86.5	W.	.02	Least Daily Range of Temperature, 5.2, on the 4th and 9th.
11	29.56	40.0	90.0	N.	.68	Mean Daily Range of Temperature, 13.6.
12	29.62	29.0	64.0	W.	.04	Mean Daily Dew-point, 23.6.
13	29.84	20.0	44.5	W.	.00	Mean Daily Relative Humidity, 67.6.
14	29.94	12.6	53.0	N.W.	.00	Prevailing Direction of Wind, W.
15	30.38	23.0	65.5	S.W.	.00	Total Movement of Wind, 10,510 Miles.
16	30.32	44.0	60.0	S.W.	.00	Highest Velocity of Wind and Direction, 48 S.W. on the 28th.
17	29.56	55.0	92.5	S.W.	2.24	Number of Foggy Days, 0.
18	29.17	31.5	77.5	W.	.74	" Clear " 9.
19	29.88	23.5	71.5	N.W.	.00	" Fair " 11.
20	30.22	19.0	78.5	S.W.	.00	Number of Cloudy " 11.
21	29.82	27.0	80.0	W.	.00	Total Number of Days on which Rain or Snow fell, 8.
22	30.41	11.0	61.0	N.W.	T	Depth of unmelted Snow on ground at end of month, 0.
23	30.38	29.0	40.5	S.W.	.00	Dates of Auroras, none observed.
24	30.23	39.0	47.0	S.W.	.00	Dates of Solar Halos, none observed.
25	30.14	46.0	54.5	S.W.	.00	Dates of Lunar Halos, 16th.
26	30.20	45.5	77.0	S.W.	.00	Thunder storm, 0.
27	29.65	52.0	88.5	S.	.21	Dates of Frosts, 0.
28	29.97	35.5	70.5	W.	.02	Mean Max. Temp., 41.4.
29	30.44	35.5	56.0	N.W.	.00	Mean Min. Temp., 27.7.
30	30.50	37.0	52.5	S.W.	.00	
31	30.03	44.5	63.0	W.	.00	
TOTALS		1050.0			4.38	
MEANS	29.98	33.9	67.6	W.	.141	

COMPARATIVE TEMPERATURE.			
1871	28	1880	26
1872	24	1881	38
1873	31	1882	30
1874	31	1883	29
1875	20	1884	33
1876	22	1885	36
1877	35	1886	29
1878	30	1887	32
1879	32	1888	33.9

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	3.35	1880	3.41
1872	2.95	1881	3.82
1873	5.64	1882	2.65
1874	2.14	1883	3.71
1875	0.75	1884	4.46
1876	3.71	1885	2.09
1877	1.32	1886	3.66
1878	6.76	1887	2.71
1879	5.36	1888	4.38

Average December temperature for 18 years, 30.32.

Average December precipitation for 18 years, 3.49.

T indicates trace of precipitation.

SUMMARY OF DEATHS IN BOSTON.

With Principal Causes, for the year 1888. Compared with those of 1887.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

	1888.	1887.		1888.	1887.
Total No. of deaths from all causes . .	10,197	10,073	Erysipelas	41	34
Population (estimated)	415,000	400,000	Intermittent Fever	1	—
Annual death rate per 1000 inhabitants	24.57	25.18	Measles	27	119
Total No. from Zymotic diseases . .	1,841	1,993	Purpura	4	4
Percentage of deaths from Zymotic dis-			Puerperal Fever	18	23
eases to total mortality	18.0	19.7	Pyæmia	10	14
Total No. of Still-births	552	534	Remittent Fever	2	—
Total deaths of children under 1 year .	2,281	2,312	Rheumatism	28	44
“ “ “ “ 2 years .	2,878	2,993	Scarlatina	65	195
“ “ “ “ 5 years .	3,599	3,662	Small Pox	2	—
Percentage of deaths under 5 years to			Syphilis (congenital)	26	27
total mortality	35.2	36.3	Syphilis	4	8
Total No. of deaths from diarrhœal dis-			Septicæmia	17	23
eases, under 5 years	574	646	Tonsillitis	7	5
Total No. of deaths from diarrhœal dis-			Typhoid Fever	170	183
eases, all ages	669	734	Typhus Fever	1	—
Percentage of deaths from diarrhœal dis-			Whooping Cough	74	82
eases to total mortality	6.5	7.2	Yellow Fever	—	—
Alcoholism	53	59	Other Zymotic Diseases	14	11
Croup	119	94	Cancer	279	324
Carbuncle	—	—	Phthisis Pulmonalis	1,464	1,526
Cholera Morbus	27	26	Bright's Disease	170	149
Cholera Infantum	440	492	Bronchitis	474	483
Cerebro Spinal Meningitis	19	16	Heart Disease	668	619
Diarrhœa	154	159	Pneumonia	990	795
Dysentery	48	59	Old age	240	316
Diphtheria	470	316	Violent Deaths	414	412

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of January, 1889.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of January, 1889, 813
Population estimated at 415,000. Rate per 1,000 inhabitants, 23.5

Total number 813

SEX.

Males 424

Females 389

CONDITION.

Married 252

Single 442

Widows 79

Widowers 36

Unknown 4

COLOR.

White 786

Colored 27

Total deaths of children { Under 1 year 163
Under 2 years 199
Under 5 years 261

Diarrhœal diseases { Under 1 year 6
Under 2 years 7
Under 5 years 7
All ages 12

NATIVITY.

United States 532

Ireland 159

England 19

Scotland 5

Germany 17

Italy 3

British America 51

Other Countries 17

Unknown 10

PARENTAGE.

United States 203

Irish 285

English 22

Scotch 8

German 31

Italian 19

British American 35

Other Countries 68

Mixed 66

Unknown 76

Still-births during the month 43

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for January, 1889.	Total Mortality for January, 1888.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	3	2												2	1								1	2
CROUP	12	18				4	1	3	1	9	3												11	1
CARBUNCLE																								
CHOLERA MORBUS																								
CHOLERA INFANTUM	2			1	1					2														2
CEREBRO-SPINAL MENINGITIS	2			1	1					2													2	
CONGESTIVE FEVER																								
DIARRHŒA	8	10	3	1		1				5							2		1				5	3
DYSENTERY	2	1															1	1						2
DIPHTHERIA	59	35			2	7	7	16	2	34	18	5	1	1									27	32
ERYSIPELAS	6	5	1	1						2					1	1	2						5	1
INTERMITTENT FEVER																								
INFLUENZA		1																						
MEASLES	5	3		1	1	1	1		1	5													5	
PURPURA																								
PURPERAL FEVER	2	4												2										2
PYŒMIA	1												1											1
REMITTENT FEVER																								
RHEUMATISM	3	3												1	1		1						1	2
SCARLATINA		24																						
SMALL POX																								
SYPHILIS (CONGENITAL)	3	2	1		1				2	1													1	2
SYPHILIS	1												1											1
SEPTICŒMIA	1	3												1										1
TONSILLITIS,		3																						
TYPHOID FEVER	6	7											2	3			1						3	3
TYPHUS FEVER																								
WHOOPING COUGH	4	10		2		1	1			4													1	3
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES																								
II. CONSTITUTIONAL.																								
CANCER	33	30											1	4	7	6	10	5					11	22
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	13	11		3	1	1		3	1	9	2		1	1									5	8
MAHASMUS, SCROFULA AND TABES MESENTERICA	20	23	10	5	4					19							1						7	13
PHTHISIS PULMONALIS	132	139		1					1	2	1	16	43	37	17	9	6	1					59	73
OTHER CONSTITUTIONAL DISEASES . .	10	12		2			2	1		5			2	2			1						5	5

of January, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for January, 1889.	Total Mortality for January, 1888.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
APOPLEXY	27	35			1				1			1	2	3	2	7	5	5	1			13	14	
BRIGHT'S DISEASE	16	21											3	3	6	2	2					10		
BRONCHITIS	32	62	4	4	4	6		1	19			1	1	2	2	2	4	1				15	17	
HEART DISEASE	63	60									3	7	9	9	11	16	6	2				33	30	
MENINGITIS	23	23	4	1	6	3	5		10				2		2							16	7	
NEPHRITIS	15	12										2	2	4	2	5						8	7	
PLEURISY	3	3													2	1						1	2	
PNEUMONIA	95	192	5	5	10	8	5	2	2	37	2	4	5	15	7	5	11	6	3			53	42	
OTHER LOCAL DISEASES	100	153	15	6	6		1		1	29	1	4	8	8	8	12	13	12	5			56	44	
IV. DEVELOPMENTAL.																								
CYANOSIS	1	7	1							1												1		
INANITION	10	5	8	1						9							1					7	3	
OLD AGE	22	33															7	11	4			9	13	
PREMATURE BIRTH	20	21	19	1						20												11	9	
PUERPL DISEASES (not including Puerpl Fever)	2	4											2										2	
OTHER DEVELOPMENTAL DISEASES . .	20	25	15		1	2				18							1		1			14	6	
V. VIOLENT.																								
ACCIDENTAL	29	33	1			1	2	1	1	6		3	11	3	4		1	1				23	6	
HOMICIDAL	1	2	1							1													1	
SUICIDAL	4	2											1	1	1	1						4		
OTHER VIOLENT CAUSES																								
UNKNOWN CAUSES	2	4	1							1							1					1	1	
TOTAL FROM ALL CAUSES	513	1043	89	36	38	36	25	27	10	261	28	35	90	100	68	61	84	52	29	5		424	389	
TOTAL FROM ZYMOTIC DISEASES	120	131	5	7	5	16	10	19	4	65	22	5	5	10	3	1	6	2	1			62	58	
“ “ CONSTITUTIONAL DISEASES . . .	208	215	10	11	5	1	2	4	2	35	3	16	47	44	24	15	18	6				87	121	
“ “ LOCAL do.	374	561	28	16	27	17	11	3	3	105	3	11	24	42	36	44	57	35	16	1		205	169	
“ “ DEVELOPMENTAL do.	75	95	43	2	1	2				48			2				1	8	12	4		42	33	
“ “ VIOLENT CAUSES	34	37	2			1	2	1	1	7		3	12	4	5	1	1	1				27	7	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of January, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING JANUARY, 1889.			CASES REPORTED DURING JANUARY, 1888.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	179	....	Diphtheria	113	....
Measles	172	....	Measles	67	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	48	....	Scarlatina	146	....
Typhoid Fever	31	1	Typhoid Fever	29	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of January, 1889, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.89	36.5	60.5	W.	.00	Mean Barometer, 30.006.
2	29.92	38.0	56.0	N.W.	.00	Highest Barometer, 30.65, on the 20th.
3	30.16	38.0	59.5	W.	.00	Lowest Barometer, 29.13, on the 28th.
4	30.18	40.0	74.0	W.	.00	Monthly Range of Barometer, 1.50.
5	30.26	39.5	85.5	N.E.	.00	Mean Temperature, 35.0.
6	29.84	40.0	96.0	N. E.	1.76	Highest Temperature, 60.0, on the 9th.
7	29.42	41.0	92.0	N.	.90	Lowest Temperature, 9.0, on the 20th.
8	29.77	42.5	65.0	N.W.	.02	Monthly Range of Temperature, 51.
9	29.62	50.0	88.0	S.	.20	Greatest Daily Range of Temperature, 24, on the 9th.
10	29.68	38.5	56.5	S.W.	.01	Least Daily Range of Temperature, 3, on the 7th.
11	30.08	34.5	59.5	W.	.00	Mean Daily Range of Temperature, 12.5.
12	30.28	31.0	69.0	W.	.00	Mean Daily Dew-point, 26.1.
13	30.37	30.0	78.0	S.W.	.00	Mean Daily Relative Humidity, 71.2.
14	30.35	28.5	86.5	N.W.	.00	Prevailing Direction of Wind, W.
15	30.40	27.5	65.0	N.W.	.00	Total Movement of Wind, 9,552 Miles.
16	30.26	36.5	75.0	S.W.	.00	Highest Velocity of Wind and Direction, 54 S.E. on the 21st.
17	29.69	54.5	73.5	S.W.	.35	Number of Foggy Days, 0.
18	29.90	37.0	74.0	W.	.00	" Clear " 7.
19	30.34	21.5	58.5	N.W.	.00	" Fair " 12.
20	30.52	18.5	61.0	S.E.	.00	Number of Cloudy " 12.
21	29.50	34.5	75.0	W.	.38	Total Number of Days on which Rain or Snow fell, 11.
22	30.29	23.5	49.0	W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.58	28.0	67.0	S.	.00	Dates of Auroras, none observed.
24	30.30	40.5	74.0	S.W.	T	Dates of Solar Halos, none observed.
25	30.16	37.0	65.0	W.	T	Dates of Lunar Halos, none observed.
26	30.01	39.0	58.0	W.	.00	Mean Max. Temp., 42.0.
27	29.54	36.5	91.0	N.E.	.39	Mean Min. Temp., 29.5.
28	29.24	37.5	69.5	S.W.	.10	Dates of Frosts, 0.
29	29.51	24.0	69.0	W.	T	
30	30.11	22.5	65.5	W.	.00	
31	30.01	37.5	81.5	S.E.	T	
TOTALS		1084.0			4.11	
MEANS ..	30.006	35.0	71.2	W.	.133	

Mean Barometer, 30.006.
Highest Barometer, 30.65, on the 20th.
Lowest Barometer, 29.13, on the 28th.
Monthly Range of Barometer, 1.50.
Mean Temperature, 35.0.
Highest Temperature, 60.0, on the 9th.
Lowest Temperature, 9.0, on the 20th.
Monthly Range of Temperature, 51.
Greatest Daily Range of Temperature, 24, on the 9th.
Least Daily Range of Temperature, 3, on the 7th.
Mean Daily Range of Temperature, 12.5.
Mean Daily Dew-point, 26.1.
Mean Daily Relative Humidity, 71.2.
Prevailing Direction of Wind, W.
Total Movement of Wind, 9,552 Miles.
Highest Velocity of Wind and Direction, 54 S.E. on the 21st.
Number of Foggy Days, 0.
 " Clear " 7.
 " Fair " 12.
Number of Cloudy " 12.
Total Number of Days on which Rain or Snow fell, 11.
Depth of unmelted Snow on ground at end of month, 0.
Dates of Auroras, none observed.
Dates of Solar Halos, none observed.
Dates of Lunar Halos, none observed.
Mean Max. Temp., 42.0.
Thunder storm, 0.

COMPARATIVE TEMPERATURE.

	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889
1871	.26	.27	.25	.30	.20	.20	.23	.28	.24	.35
1872	.27	.25	.25	.30	.20	.20	.23	.28	.24	.35
1873	.25	.25	.25	.30	.20	.20	.23	.28	.24	.35
1874	.30	.25	.25	.30	.20	.20	.23	.28	.24	.35
1875	.20	.25	.25	.30	.20	.20	.23	.28	.24	.35
1876	.20	.25	.25	.30	.20	.20	.23	.28	.24	.35
1877	.20	.25	.25	.30	.20	.20	.23	.28	.24	.35
1878	.20	.25	.25	.30	.20	.20	.23	.28	.24	.35
1879	.24	.25	.25	.30	.20	.20	.23	.28	.24	.35
1880	.35	.22	.26	.25	.24	.27	.26	.26	.20	

COMPARATIVE PRECIPITATIONS.

	Inches.	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889
1871	2.67	3.72	7.21	3.68	3.59	6.27	5.33	7.08	4.86	2.26	
1872	2.11	7.21	3.68	3.59	6.27	5.33	7.08	4.86	2.26		
1873	5.76	3.68	3.59	6.27	5.33	7.08	4.86	2.26			
1874	4.32	3.59	6.27	5.33	7.08	4.86	2.26				
1875	3.68	6.27	5.33	7.08	4.86	2.26					
1876	1.87	5.33	7.08	4.86	2.26						
1877	3.33	7.08	4.86	2.26							
1878	7.60	4.86	2.26								
1879	2.79	2.26									
1880	4.11										

Average January temperature for 19 years, 26.02.

Average January precipitation for 19 years, 4.86.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of February, 1889.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

Deaths during the month of February, 1889, 750

Population estimated at 415,000. Rate per 1,000 inhabitants, 21.68

Total number 750

SEX.

Males 369

Females 381

CONDITION.

Married 233

Single 402

Widows 78

Widowers 33

Unknown 4

COLOR.

White 731

Colored 19

Total deaths of children	{ Under 1 year	147
	{ Under 2 years	185
	{ Under 5 years	233

Diarrhoeal diseases	{ Under 1 year	4
	{ Under 2 years	5
	{ Under 5 years	5
	{ All ages	7

NATIVITY.

United States 494

Ireland 162

England 11

Scotland 5

Germany 16

British America 25

Italy 3

Other Countries 23

Unknown 11

PARENTAGE.

United States 180

Irish 283

English 12

Scotch 8

German 21

British American 31

Italian 11

Other Countries 60

Mixed 75

Unknown 69

Still-births during the month 51

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for February, 1889.	Total Mortality for February, 1888.	AGE.																	SEX.	
			Under 3 mos. 3 mos. and under 6 mos. 6 months and under 1 year. 1 year and under 2 yrs. 2 years and under 3 yrs. 3 years and under 4 yrs. 4 years and under 5 yrs. Total under 5 years. 5 years and under 10 yrs. 10 years and under 20 yrs. 20 years and under 30 yrs. 30 years and under 40 yrs. 40 years and under 50 yrs. 50 years and under 60 yrs. 60 years and under 70 yrs. 70 years and under 80 yrs. 80 years and under 90 yrs. 90 years and under 100 yrs. 100 years and over.	Males.	Females.																
I. ZYMOTICS.																					
ALCOHOLISM	5	3												1	1	2	1			5	
CROUP	12	14		1	1	4	1		1	8	4									7	5
CARCUNCLE																					
CHOLERA MORBUS		1																			
CHOLERA INFANTUM		1																			
CEREBRO-SPINAL MENINGITIS	2	1		1	1					2										1	1
CONGESTIVE FEVER																					
DIARRHŒA	5	2	3	1						4							1			2	3
DYSENTERY	2	2			1					1								1		1	1
DIPHTHERIA	42	23		6	6	8	6	6	26	12	3	1								18	24
ERYSIPELAS	1	6										1								1	
INTERMITTENT FEVER																					
INFLUENZA																					
MEASLES	10	1		3	3		3	1	10											6	4
PURPURA																					
PUERPERAL FEVER	2	2														2					2
PYŒMIA	1	2													1						1
REMITTENT FEVER																					
RHEUMATISM	4	7											2				2			2	2
SCARLATINA	2	11				1			1	1										2	
SMALL POX																					
SYPHILIS (CONGENITAL)	2	1	2						2											2	
SYPHILIS	1	1										1								1	
SEPTICŒMIA	3												1	2							3
TONSILLITIS,																					
TYPHOID FEVER	7	5								1	1	2	2	1						4	3
TYPHUS FEVER																					
WHOOPING COUGH	5	5	1	3	1				5											4	1
YELLOW FEVER																					
OTHER ZYMOTIC DISEASES																					
II. CONSTITUTIONAL.																					
CANCER	20	36											1	2	4	6	3	4		4	16
HIDROCEPHALUS AND TUBERC. MENINGITIS	12	13		1	3	3		1	8	2				1	1					4	8
MARASMUS, SCROFULA AND TABES MESENTERICA	27	21	13	6	3		1		23		2				1	1				13	14
PHTHISIS PULMONALIS	118	110		1	1	1			3	2	12	39	34	12	10	5	1			57	61
OTHER CONSTITUTIONAL DISEASES	8	22	2					1	3					5						4	4

of February, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.			
	Total Mortality for February, 1889.	Total Mortality for February, 1888.	Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Male.	Female.	
III. LOCAL.																								
Apoplexy	19	33														5	5	6	1	1	1		8	11
Bright's Disease	23	12											3	1	6	4	6	3					13	10
Bronchitis	38	61	4	6	6	6		1		23	1		1		2	3	5	2	1				19	19
Heart Disease	56	57									1	4	5	8	9	10	11	5	3				29	27
Meningitis	15	38	1		5	2		2	2	12		1					1	1					6	9
Nephritis	4	7											1	1	1		1						2	2
Pleurisy	3	1											2		1								2	1
Pneumonia	78	153	7	2	6	5	9	1	1	31	3	3	9	5	7	1	10	6	2	1			39	39
Other Local Diseases	125	112	11	7	3	6	1	1		29	4	1	7	17	14	18	12	20	3				57	68
IV. DEVELOPMENTAL.																								
Cyanosis	1	3	1							1														1
Inanition	13	5	13							13													7	6
Old Age	28	24															2	14	11	1			12	16
Premature Birth	14	9	14							14													9	5
Puerpl Diseases (not including Puerpl Fever)	2	3											1		1									2
Other Developmental Diseases	15	19	11							11			1		1	1		1					8	7
V. VIOLENT.																								
Accidental	19	22	2							2	2	3	1	2	5	2	1	1					16	3
Homicidal	3	1	1							1		1	1										1	2
Suicidal	2												1			1							2	
Other Violent Causes		1																						
Unknown Causes	1	1														1							1	
TOTAL FROM ALL CAUSES	750	852	86	29	32	38	19	18	11	233	33	31	82	81	69	67	64	65	21	3	1		399	381
TOTAL FROM ZYMOTIC DISEASES	106	88	6	6	5	15	8	11	8	59	18	4	9	6	5	3	1	1					56	50
“ “ CONSTITUTIONAL DISEASES	185	202	15	8	7	4	1	2		37	4	14	40	41	17	18	9	5					82	103
“ “ LOCAL do.	361	474	23	15	20	19	10	5	3	95	9	9	28	32	40	41	51	43	10	2	1		175	186
“ “ DEVELOPMENTAL do.	73	63	39							39			2		2	1	2	15	11	1			36	37
“ “ VIOLENT CAUSES	24	24	3							3	2	4	3	2	5	3	1	1					19	5

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of February, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING FEBRUARY, 1889.			CASES REPORTED DURING FEBRUARY, 1888.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	150	....	Diphtheria	80	....
Measles	395	....	Measles	115	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	2
Scarlatina	29	....	Scarlatina	119	....
Typhoid Fever	29	....	Typhoid Fever	26	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	..	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of February, 1889, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.75	29.5	73.5	N.W.	.02	Mean Barometer, 30.08.
2	29.76	26.5	71.5	W.	.00	Highest Barometer, 30.86, on the 26th.
3	29.76	27.5	71.5	W.	T	Lowest Barometer, 29.30, on the 6th.
4	30.00	18.5	76.0	N.W.	.00	Monthly Range of Barometer, 1.56.
5	29.66	39.5	83.0	S.E.	.40	Mean Temperature, 25.4.
6	29.47	27.0	77.5	S.W.	.02	Highest Temperature, 50.6, on the 17th.
7	29.84	16.0	70.0	S.W.	.00	Lowest Temperature, -1, on the 24th.
8	30.13	23.0	82.5	S.W.	.00	Monthly Range of Temperature, 51.
9	29.96	30.0	87.0	W.	.12	Greatest Daily Range of Temperature, 33, on the 6th.
10	30.10	27.5	61.0	W.	0	Least Daily Range of Temperature, 4, on the 18th.
11	30.02	26.5	84.5	N.	.03	Mean Daily Range of Temperature, 14.0.
12	29.64	25.5	84.5	W.	.21	Mean Daily Dew-point, 17.2.
13	29.62	13.0	69.5	W.	.00	Mean Daily Relative Humidity, 72.1.
14	29.85	21.0	66.0	W.	.00	Prevailing Direction of Wind, W.
15	30.25	26.0	61.5	N.W.	.00	Total Movement of Wind, 8,106 Miles.
16	30.32	28.5	79.5	E.	T	Highest Velocity of Wind and Direction, 38 S.W. on the 6th and 7th.
17	29.77	42.0	92.5	W.	.32	Number of Foggy Days, 0.
18	29.61	37.5	89.5	N.E.	.37	" Clear " 6.
19	29.88	30.0	50.0	W.	.03	" Fair " 13.
20	30.39	24.5	51.5	W.	.00	Number of Cloudy " 9.
21	30.64	25.0	49.5	W.	.00	Total Number of Days on which Rain or Snow fell, 16.
22	30.20	33.	66.5	S.W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.45	6.0	47.0	N.W.	.00	Dates of Auroras, none observed.
24	30.76	8.5	69.5	N.W.	.00	Dates of Solar Halos, 16th and 25th.
25	30.68	17.0	60.0	N.W.	.01	Dates of Lunar Halos, none observed.
26	30.83	20.0	85.5	N.	T	Mean Max. Temp., 33.0.
27	30.61	30.5	79.5	E.	T	Mean Min. Temp., 19.0.
28	30.56	32.5	79.5	N.	.01	Dates of Frosts, 0.
TOTALS						1.54
MEANS						30.08 25.4 72.1 W. .051

COMPARATIVE TEMPERATURE.	
1871	28.6
1872	28.1
1873	27.2
1874	27.9
1875	22.1
1876	27.0
1877	32.5
1878	29.1
1879	23.6
1880	32.0
1881	27.7
1882	30.4
1883	29.2
1884	31.0
1885	20.5
1886	26.6
1887	28.8
1888	28.4
1889	25.4

COMPARATIVE PRECIPITATIONS.	
1871	2.87
1872	2.81
1873	3.21
1874	3.41
1875	3.74
1876	4.54
1877	0.45
1878	4.40
1879	4.35
1880	4.11
1881	4.89
1882	4.77
1883	2.74
1884	5.74
1885	3.00
1886	7.04
1887	3.09
1888	2.36
1889	1.54

Average daily temperature for 19 years, 27.07.

Average monthly precipitation for 19 years, 3.64.

T Indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of March, 1889.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

Deaths during the month of March, 1889, 874

Population estimated at 415,000. Rate per 1,000 inhabitants, 25.27

Total number	874	NATIVITY.	
SEX.		United States	580
Males	425	Ireland	178
Females	449	England	17
CONDITION.		Scotland	4
Married	251	Germany	9
Single	512	British America	50
Widows	78	Italy	7
Widowers	24	Other Countries	14
Unknown	9	Unknown	15
COLOR.		PARENTAGE.	
White	857	United States	217
Colored	17	Irish	322
Total deaths of children	Under 1 year	English	12
	Under 2 years	Scotch	6
	Under 5 years	German	26
Diarrhoeal diseases	Under 1 year	British American	41
	Under 2 years	Italian	10
	Under 5 years	Other Countries	74
	All ages	Mixed	82
		Unknown	84
		Still-births during the month	49

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	AGE.																				SEX.			
	Total Mortality for March, 1889.	Total Mortality for March, 1888.	Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	6	4											2	1		2	1						2	4
CROUP	14	14		1	5	4				10	3	1										6	8	
CARBUNCLE																								
CHOLERA MORBUS																								
CHOLERA INFANTUM	1	1	1							1												1		
CEREBRO-SPINAL MENINGITIS	3	2				2			1	3												2	1	
CONGESTIVE FEVER																								
DIARRHŒA	7	8	1	2	1					4						1	1	1				5	2	
DYSENTERY	2	1												1			1					1	1	
DIPHTHERIA	40	37	1	1	1	7	10	5	3	28	9	3										22	18	
ERYSIPELAS	3	6	1		1					2					1							2	1	
INTERMITTENT FEVER																								
INFLUENZA																								
MEASLES	9	1			4	2	2			8	1											5	4	
PURPURA																								
PUERPERAL FEVER	2	2											1	1									2	
PYEMIA		1																						
REMITTENT FEVER																								
RHEUMATISM	3	4										1	1				1					1	2	
SCARLATINA	7	10				1			2	3	3	1										2	5	
SMALL POX		1																						
SYPHILIS (CONGENITAL)	1	3	1																				1	
SYPHILIS	1															1						1		
SEPTICÆMIA	1	2												1									1	
TONSILLITIS	1	1									1											1		
TYPHOID FEVER	7	5					1		1	2		1	3				1					5	2	
TYPHUS FEVER																								
WHOOPING COUGH	4	10	2	1	1					4												1	3	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES		1																						
II. CONSTITUTIONAL.																								
CANCER	30	22											1	2	9	5	8	5				11	19	
HYDROCEPHALUS AND TUBERC. MENINGITIS	13	17	2	1		3		3	1	10	2		1									19	3	
MARASMUS, SCHOPIULA AND TABES MESENTERICA	24	25	14	4	3	1				22	1					1						13	11	
PHTHISIS PULMONALIS	138	138		1	1					2	5	10	46	35	24	11	5					78	60	
OTHER CONSTITUTIONAL DISEASES	7	16				2				2		1	2		1	1						3	4	

of March, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for March, 1889.	Total Mortality for March, 1888.	AGE.																		SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
Apoplexy	30	28											1	4	7	7	8	3				13	17
Bright's Disease	9	10									1	2	2	1	3							5	4
Bronchitis	56	57	7	7	10	8	5	1	1	39	1		2	3	1	3	5	2				19	37
Heart Disease	61	70									5	10	5	3	10	12	12	4				24	37
Meningitis	20	23	3		4	7	2			16			2	2								10	10
Nephritis	15	17	1		1	1	1			4	1	2	3		2		2	1				6	9
Pleurisy		6																					
Pneumonia	126	126	6	6	8	9	3	4	1	37	4	1	7	14	14	13	20	9	5	2		55	71
OTHER LOCAL DISEASES	126	122	15	11	6	7	1	2		42	3	2	14	10	12	15	11	12	4	1		59	67
IV. DEVELOPMENTAL.																							
Cyanosis	3		3							3												3	
Inanition	5	5	5							5												3	2
OLD AGE	18	27												1		1	7	7	1	1		6	12
Premature Birth	13	10	13							13												10	3
Puerp'l Diseases (not including Puerp'l Fever)	7	8											3	2	2								7
OTHER DEVELOPMENTAL DISEASES . .	25	24	19	1	1	1				22						1	1		1			15	10
V. VIOLENT.																							
Accidental	33	19	1				1	1		3	3		6	6	8	7						22	11
Homicidal		1																					
Suicidal	1	7											1									1	
OTHER VIOLENT CAUSES		2																					
UNKNOWN CAUSES	2	1	1							1				1								2	
TOTAL FROM ALL CAUSES	874	895	97	36	47	55	26	16	10	287	36	30	165	86	85	79	75	60	23	4	1	425	449
TOTAL FROM ZYMOTIC DISEASES	112	114	7	5	13	16	13	5	7	66	17	7	7	4	1	4	5	1				57	55
“ “ CONSTITUTIONAL DISEASES . . .	212	218	16	6	4	6		3	1	36	8	11	50	37	34	18	13	5				115	97
“ “ LOCAL do.	443	459	32	24	29	32	12	7	2	138	8	12	38	36	39	49	55	47	18	3		191	252
“ “ DEVELOPMENTAL do.	71	74	40	1	1	1				43			3	2	3	1	2	7	8	1	1	37	34
“ “ VIOLENT CAUSES	34	29	1				1	1		3	3		7	6	8	7						23	11

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of March, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING MARCH, 1889.			CASES REPORTED DURING MARCH, 1888.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	193	....	Diphtheria	165	....
Measles	570	....	Measles	252	....
Small Pox . . . . .	....	....	Small Pox	1	....
Scarlatina	77	....	Scarlatina	110	....
Typhoid Fever	35	....	Typhoid Fever	18	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of March, 1889. as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.44	34.0	60	N.W.	.00	Mean Barometer, 29.876.
2	30.26	37.5	68	E.	.00	Highest Barometer, 30.49, on the 1st.
3	30.07	41.5	65	S.	.00	Lowest Barometer, 28.96, on the 7th.
4	29.90	38.5	83	N. E.	.00	Monthly Range of Barometer, 1.53.
5	29.47	38.0	90	N.	.32	Mean Temperature, 37.4.
6	29.06	37.0	98	N.W.	.25	Highest Temperature, 64, on the 23d and 24th.
7	29.08	36.0	68	W.	.07	Lowest Temperature, -22, on the 26th.
8	29.35	30.5	56	W.	.00	Monthly Range of Temperature, 42.
9	29.44	30.5	64	W.	T	Greatest Daily Range of Temperature, 27, on the 23d.
10	29.66	31.5	60	N.W.	.00	Least Daily Range of Temperature, 3, on the 17th.
11	29.86	31.5	64	N.W.	.00	Mean Daily Range of Temperature, 12.3.
12	30.00	37.0	57	W.	.00	Mean Daily Dew-point, 26.6.
13	29.96	47.5	52	W.	.00	Mean Daily Relative Humidity, 67.7.
14	30.28	33.5	44	N.W.	.00	Prevailing Direction of Wind, W.
15	30.21	35.5	72	N.E.	.00	Total Movement of Wind, 10,665 Miles.
16	29.96	37.0	82	N.E.	.02	Highest Velocity of Wind and Direction, 46 N.E. on the 16th.
17	29.90	35.0	93	N.E.	.19	Number of Foggy Days, 0.
18	29.88	35.5	91	N.	T	" Clear " 7.
19	29.84	37.5	87	N.E.	.01	" Fair " 10.
20	29.86	36.5	76	N.E.	T	Number of Cloudy " 14.
21	29.90	36.0	84	N.E.	T	Total Number of Days on which Rain or Snow fell, 9.
22	30.16	40.0	50	E.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	29.99	48.0	38	W.	.00	Dates of Auroras, none observed.
24	29.72	51.5	35	W.	.00	Dates of Solar Halos, 31st.
25	29.70	49.0	52	N.	.00	Dates of Lunar Halos, 10th.
26	30.04	30.5	60	S.	.00	Mean Max. Temp., 44.3.
27	30.01	43.5	64	S.	.00	Thunder storm, 0.
28	29.78	46.0	80	S.W.	.12	Mean Min. Temp., 32.1.
29	29.95	38.5	62	W.	.00	Dates of Frosts, 0.
30	30.24	31.5	52	N.W.	.01	
31	30.16	32.5	82	E.	.20	
TOTALS					1.19	
MEANS	29.88	37.4	67.7	W.	.038	

COMPARATIVE TEMPERATURE.			
1871	42	1880	33
1872	27	1881	36
1873	35	1882	35
1874	35	1883	31
1875	31	1884	34
1876	23	1885	28
1877	34	1886	34
1878	39	1887	32
1879	33	1888	32
1880	37		

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	4.55	1880	3.25
1872	4.05	1881	9.68
1873	3.76	1882	3.35
1874	1.60	1883	2.33
1875	5.04	1884	4.50
1876	7.19	1885	1.15
1877	9.79	1886	3.20
1878	6.14	1887	1.32
1879	3.90	1888	3.32
1880		1889	1.19

Average daily temperature for 19 years, 33.07.

Average monthly precipitation for 19 years, 4.19.

T Indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of April, 1889.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

Deaths during the month of April, 1889, 948
Population estimated at 415,000. Rate per 1,000 inhabitants, 27.41

Total number 948

SEX.

Males 482

Females 466

CONDITION.

Married 275

Single 537

Widows 98

Widowers 31

Unknown 7

COLOR.

White 927

Colored 21

Total deaths of children { Under 1 year 177
Under 2 years 244
Under 5 years 320

Diarrhoeal diseases { Under 1 year 7
Under 2 years 7
Under 5 years 7
All ages 10

NATIVITY.

United States 619

Ireland 191

England 30

Scotland 11

Germany 11

British America 44

Italy 8

Other Countries 15

Unknown 19

PARENTAGE.

United States 244

Irish 353

English 22

Scotch 11

German 22

British American 49

Italian 22

Other Countries 77

Mixed 83

Unknown 65

Still-births during the month 54

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for April, 1889.	Total Mortality for April, 1888.	AGE.																	SEX.	
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 60 yrs.	60 years and under 80 yrs.	80 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																					
ALCOHOLISM	7	4																	4	3	
CROUP	13	8			1	4	6	1	1	13									5	8	
CARBUNCLE																					
CHOLERA MORBUS																					
CHOLERA INFANTUM	1	2			1					1									1		
CEREBRO-SPINAL MENINGITIS	2	2					1	1	2										1	1	
CONGESTIVE FEVER																					
DIARRHŒA	7	5	5		1					6									2	5	
DYSENTERY	2	2													1	1				2	
DIPHTHERIA	54	43	1	3	5	11	12	2	34	12	4	3		1					27	27	
ERYSIPELAS	8	6	3						3				1		2	1		1	3	5	
INTERMITTENT FEVER																					
INFLUENZA																					
MEASLES	10	5			2	5	2		9	1									7	3	
PURPURA	1	1	1						1											1	
PUERPERAL FEVER	2	3										1	1							2	
PYŒMIA																					
REMITTENT FEVER																					
RHEUMATISM	7	3										2		1	2		1	1	3	4	
SCARLATINA	2	9					1		1	1									1	1	
SMALL POX																					
SYPHILIS (CONGENITAL)		1																			
SYPHILIS	1												1						1		
SEPTICŒMIA	4	4						1	1		1	1					1		1	3	
TONSILLITIS																					
TYPHOID FEVER	7	11										2	2		3				6	1	
TYPHUS FEVER																					
WHOOPING COUGH	10	6	1	4	4		1		10										7	3	
YELLOW FEVER																					
OTHER ZYMOTIC DISEASES	1	2	1						1											1	
II. CONSTITUTIONAL.																					
CANCER	30	25												6	8	8	6	1	1	10	20
HYDROCEPHALUS AND TUBERC. MENINGITIS	17	27	2	1	3	5	1	1	1	14	1	2							9	8	
MARASMUS, SCROFULA AND TABES MESENTERICA	31	20	10	9	3	3	1		26				1	1			1	2	16	15	
PHTHISIS PULMONALIS	134	141	1	1	1	2	4		9	3	11	42	30	16	14	6	3		80	54	
OTHER CONSTITUTIONAL DISEASES	14	10	1	1	2	1	1		6	1			5	1		1			12	2	

of April, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for April, 1889.	Total Mortality for April, 1888.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	31	26												2	1	5	8	10	5			12	10	
Bright's Disease	10	16											1	1	1	3	2	2			4	6		
Bronchitis	61	48	4	9	12	10	2	1	1	39	3				2	8	4	2	3			34	27	
Heart Disease	70	50				1				1	1	3	8	9	12	7	13	14	2			35	35	
Meningitis	23	28			3	5	3			11	3	2	3	3	1							10	13	
Nephritis	14	13		2						2			2	1		6	3					9	5	
Pleurisy	2	1				1				1				1								1	1	
Pneumonia	122	106		4	9	14	5	4	5	41	5	8	9	12	13	15	8	6	5			57	65	
Other Local Diseases	156	132	9	4	9	10	4		2	38	5	3	13	11	12	13	17	19	5			65	71	
IV. DEVELOPMENTAL.																								
Cyanosis	2	2	2							2												1	1	
Inanition	4	1	2	1		1				4												1	3	
Old Age	25	20															1	9	13	2		6	19	
Premature Birth	20	17	19	1						20												8	12	
Puerp'l Diseases (not including Puerp'l Fever)	4	3											2	2									4	
Other Developmental Diseases . .	26	20	18	2	2					22					1	1	1	1				13	13	
V. VIOLENT.																								
Accidental	26	30	1							1	2	3	3	5	4	4	3	1				24	2	
Homicidal	1	2	1							1												1		
Suicidal	4	3											3				1					3	1	
Other Violent Causes	1																	1				1		
Unknown Causes	1	2													1							1		
TOTAL FROM ALL CAUSES	948	860	82	39	56	67	43	21	12	320	35	39	93	99	82	89	75	69	42	2		482	466	
TOTAL FROM ZYMOTIC DISEASES	139	117	12	4	12	14	22	15	3	82	14	7	10	7	8	5	1	2	3			69	70	
“ “ CONSTITUTIONAL DISEASES . . .	226	223	14	12	9	11	7	1	1	55	5	13	42	42	26	22	13	5	3			127	99	
“ “ LOCAL do.	469	420	13	19	33	41	14	5	8	133	17	16	36	40	42	57	55	53	20			227	242	
“ “ DEVELOPMENTAL do.	81	63	41	4	2	1				48			2	2	1	1	2	9	14	2		29	52	
“ “ VIOLENT CAUSES	32	35	2							2	2	3	3	8	4	4	4		2			29	3	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of April, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING APRIL, 1889.			CASES REPORTED DURING APRIL, 1888.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	205	....	Diphtheria	109	....
Measles	571	....	Measles	185	3
Small Pox . . . . .	....	....	Small Pox	1	....
Scarlatina	59	....	Scarlatina	75	....
Typhoid Fever	33	2	Typhoid Fever	30	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of April, 1889, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.91	35.5	90	N.E.	.66	Mean Barometer, 29.99.
2	29.75	38.5	82	N.	.32	Highest Barometer, 30.48, on the 7th.
3	29.78	41.5	84	W.	.05	Lowest Barometer, 29.41, on the 27th.
4	29.88	43.0	87	N.W.	.00	Monthly Range of Barometer, 1.07.
5	30.08	39.5	74	N.E.	T	Mean Temperature, 47.7.
6	30.32	39.5	88	N.E.	T	Highest Temperature, 51.0, on the 20th.
7	30.44	37.5	89	N.E.	.00	Lowest Temperature, 32.0, on the 7th and 8th.
8	30.20	41.5	80	N.E.	.00	Monthly Range of Temperature, 49.0.
9	29.84	47.0	36	N.	.00	Greatest Daily Range of Temperature, 35.0, on the 20th.
10	29.88	47.5	38	N.W.	.00	Least Daily Range of Temperature, 4.0, on the 1st.
11	29.93	51.0	43	W.	.00	Mean Daily Range of Temperature, 14.1.
12	29.60	58.5	80	W.	.04	Mean Daily Dew-point, 38.3.
13	29.77	41.5	68	N.W.	.15	Mean Daily Relative Humidity, 72.1.
14	30.12	43.5	44	N.W.	.00	Prevailing Direction of Wind, N.E. and N.W.
15	30.42	44.5	51	N.W.	.00	Total Movement of Wind, 8,457 Miles.
16	30.42	45.0	55	E.	.00	Highest Velocity of Wind and Direction, 36 N.E. on the 26th.
17	30.18	45.0	82	N.E.	.40	Number of Foggy Days, 0.
18	30.06	50.0	90	N. E.	.17	" Clear " 10.
19	30.11	55.5	85	N.	T	" Fair " 12.
20	30.04	62.5	75	S.W.	.05	Number of Cloudy " 8.
21	29.90	59.0	77	W.	.13	Total Number of Days on which Rain or Snow fell, 12.
22	30.18	45.5	64	W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.42	44.0	50	N.W.	.00	Dates of Auroras, none observed.
24	30.32	54.5	60	S.	.00	Dates of Solar Halos, 16th.
25	30.12	61.5	76	S.	T	Dates of Lunar Halos, 11th and 16th.
26	29.84	51.0	92	N.E.	.47	Mean Max. Temp., 54.9.
27	29.51	49.5	97	E.	.80	Mean Min. Temp., 40.8.
28	29.52	53.5	84	S.	T	Thunder storm, 20th and 21st.
29	29.56	53.5	86	S.W.	.03	Dates of Frosts, 0.
30	29.72	51.5	76	W.	T	
TOTALS					3.07	
MEANS	29.99	47.7	72.1	N.E. & N.W.	.102	

COMPARATIVE TEMPERATURE.			
1871	47.0	1880	46.2
1872	44.6	1881	42.8
1873	47.1	1882	43.0
1874	37.0	1883	44.3
1875	42.1	1884	42.7
1876	43.2	1885	46.3
1877	43.9	1886	47.7
1878	47.2	1887	43.9
1879	42.2	1888	42.2
1889	47.7		

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	3.79	1880	2.85
1872	1.31	1881	1.66
1873	3.83	1882	2.50
1874	7.99	1883	2.83
1875	4.92	1884	4.76
1876	3.61	1885	3.39
1877	4.19	1886	1.70
1878	6.14	1887	2.68
1879	6.54	1888	2.04
1889	3.07		

Average daily temperature for 19 years, 41.05.

Average monthly precipitation for 19 years, 3.67.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of May, 1889.

With an enumeration of the more prominent causes: accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

Deaths during the month of May, 1889,	838
Population estimated at 415,000.	Rate per 1,000 inhabitants, 24.23

Total number 838

SEX.

Males 436

Females 402

CONDITION.

Married 265

Single 450

Widows 80

Widowers 36

Unknown 7

COLOR.

White 819

Colored 19

Total deaths of children	{	Under 1 year	153
		Under 2 years	213
		Under 5 years	275

Diarrhoeal diseases	{	Under 1 year	10
		Under 2 years	12
		Under 5 years	13
		All ages	18

NATIVITY.

United States 539

Ireland 167

England 22

Scotland 8

Germany 13

British America 53

Italy 3

Other Countries 14

Unknown 19

PARENTAGE.

United States 213

Irish 285

English 22

Scotch 9

German 24

British American 38

Italian 13

Other Countries 69

Mixed 79

Unknown 86

Still-births during the month 61

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	AGE.																				SEX.			
	Total Mortality for May, 1888.	Total Mortality for May, 1888.	Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	12	12														1	1						1	1
CROUP	9	11	1			1	3	1	1	7	2											5	4	
CARUNCLE																								
CHOLERA MORBUS	1																1					1		
CHOLERA INFANTUM	3	4				2				2	1											2	1	
CEREBRO-SPINAL MENINGITIS	2	1	1							1		1										1	1	
CONGESTIVE FEVER																								
DIARRHŒA	10	5	3	7						10												4	6	
DYSENTERY	4	2					1			1	1		1	1								1	3	
DIPHTHERIA	50	53			1	7	9	6	6	29	10	2										22	28	
ERYSIPELAS	3	8	2	1						3												2	1	
INTERMITTENT FEVER																								
INFLUENZA																								
MEASLES	7	5			1	3		3		7												3	4	
PURPURA																								
PUERPERAL FEVER	1	1											1										1	
PYÆMIA																								
REMITTENT FEVER																								
RHEUMATISM	1														1								1	
SCARLATINA	4	4					1			1	2				1							1	3	
SMALL POX		1																						
SYPHILIS (CONGENITAL)	1	2				1				1													1	
SYPHILIS	1	1													1								1	
SEPTICÆMIA	4												2	1		1							4	
TONSILLITIS		2																						
TYPHOID FEVER	9	3										3	4	1		1						3	6	
TYPHUS FEVER																								
WHOOPING COUGH	7	3	1		1	2				7												3	4	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES																								
II. CONSTITUTIONAL.																								
CANCER	27	18											1		7	5	7	4	3			10	17	
HYDROCEPHALUS AND TUBERC. MENINGITIS	27	29	2	3	5	2	3	1	1	17	6	2	1		1							14	13	
MAKASMUS, SCROFULA AND TABES MESENTERICA	18	33	7	6	2	1	1	1		18												9	9	
PHTHISIS PULMONALIS	93	134		1	2	1	1		1	6	2	11	21	23	16	7	4	2	1			51	42	
OTHER CONSTITUTIONAL DISEASES	14	12			3	1	1			5	1	1	4		3							7	7	

of May, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for May, 1889.	Total Mortality for May, 1888.	AGE.																			SEX.	
																						Males.	Females.
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.		
III. LOCAL.																							
APOPLECTY	22	26												3	6	2	4	6	1			16	6
BRIGHT'S DISEASE	11	19												1	1	5		3	1			7	4
BRONCHITIS	40	42	4	4	13	11	3			35	1					2	1		1			22	13
HEART DISEASE	77	68	1								1	1	4	11	6	8	16	14	12	4		37	40
MENINGITIS	25	24		2	7	5	3		1	18	1	2	1	1	1					1		14	11
NEPHRITIS	8	17												1	5		1	1				5	3
PLEURISY	2	2		1				1		2													2
PNEUMONIA	101	78	4	3	7	20	4	2		40	1		4	7	11	17	12	6	2	1		56	46
OTHER LOCAL DISEASES	150	106	17	3	4	3	1	4		32	4	6	15	9	23	22	22	12	5			79	71
IV. DEVELOPMENTAL.																							
CYANOSIS	3	2	3							3												3	
INANITION	4	5	3		1					4												2	2
OLD AGE	30	18															1		9	17	3	10	20
PREMATURE BIRTH	12	17	12							12												8	4
PUER'L DISEASES (not including Puerpl Fever)	1	3											1										1
OTHER DEVELOPMENTAL DISEASES	11	31	5	1	2					8									1	2		7	4
V. VIOLENT.																							
ACCIDENTAL	33	33			1		1	1		3	2	2	11	2	7	2	2	1	1			25	8
HOMICIDAL																							
SUICIDAL	5	1											2		1	2						2	3
OTHER VIOLENT CAUSES		1																					
UNKNOWN CAUSES	5	2	2							2			1	2								3	2
TOTAL FROM ALL CAUSES	838	820	68	32	53	60	32	20	10	275	44	34	83	61	106	79	70	55	37	4		436	402
TOTAL FROM ZYMOTIC DISEASES	119	108	8	8	6	16	14	10	7	69	25	6	8	4	3	3	1					49	70
“ “ CONSTITUTIONAL DISEASES	179	217	9	10	12	5	6	2	2	46	9	14	27	23	27	12	11	6	4			91	88
“ “ LOCAL do.	436	382	26	13	31	39	11	7	1	128	8	12	33	32	56	59	56	38	13	1		236	200
“ “ DEVELOPMENTAL do.	61	76	23	1	3					27			1			1		10	19	3		30	31
“ “ VIOLENT CAUSES	38	35			1		1	1		3	2	2	13	2	8	4	2	1	1			27	11

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of May, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING MAY, 1889.			CASES REPORTED DURING MAY, 1888.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	191	....	Diphtheria	142	....
Measles	434	....	Measles	367	4
Small Pox . . . . .	....	....	Small Pox	4	1
Scarlatina	53	....	Scarlatina	70	....
Typhoid Fever	60	....	Typhoid Fever	31	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE. BOSTON.

For the month of May, 1889. as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.92	50.0	62	W.	.00	Mean Barometer, 29.96.
2	29.88	51.5	68	W.	.00	Highest Barometer, 30.32, on the 18th.
3	29.82	51.0	68	N.W.	T	Lowest Barometer, 29.59, on the 10th.
4	29.92	53.5	65	N.W.	.00	Monthly Range of Barometer, 0.73.
5	29.96	66.0	60	W.	.00	Mean Temperature, 60.50.
6	30.08	59.0	66	N.	.00	Highest Temperature, 91.0, on the 10th.
7	30.09	47.0	89	E.	.00	Lowest Temperature, 41.0, on the 1st and 2d.
8	29.98	56.5	70	S.W.	.00	Monthly Range of Temperature, 50.0.
9	29.92	60.5	62	S.	.00	Greatest Daily Range of Temperature, 36.0, on the 9th.
10	29.66	73.5	66	S.W.	.08	Least Daily Range of Temperature, 6.0, on the 26th.
11	29.69	61.5	68	S.E.	.06	Mean Daily Range of Temperature, 18.4.
12	29.84	61.0	75	S.W.	.02	Mean Daily Dew-point, 52.0.
13	29.96	55.0	84	E.	.03	Mean Daily Relative Humidity, 74.0.
14	29.76	61.5	88	S.W.	.04	Prevailing Direction of Wind, S.W.
15	30.00	63.0	80	E.	T	Total Movement of Wind, 7,054 Miles.
16	30.15	63.5	76	S.	.00	Highest Velocity of Wind and Direction, W. 36 on the 10th.
17	30.28	64.0	80	S.W.	.00	Number of Foggy Days, 0.
18	30.30	73.5	68	S.W.	.00	" Clear " 9.
19	30.24	69.0	78	S.	.00	" Fair " 14.
20	29.99	67.0	91	S.E.	.59	Number of Cloudy " 8.
21	29.70	66.5	90	S.	2.24	Total Number of Days on which Rain or Snow fell, 12.
22	29.75	63.5	78	S.W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	29.84	58.5	76	N.	.01	Dates of Auroras, 0.
24	29.85	61.5	62	W.	.00	Dates of Solar Halos, 22d.
25	29.89	61.5	70	N.W.	.41	Dates of Lunar Halos, 0.
26	30.06	49.0	86	N.E.	.22	Mean Max. Temp., 69.5.
27	29.95	51.0	82	E.	.35	Mean Min. Temp., 51.1.
28	29.79	58.0	76	S.W.	.07	Thunder storm, 10th and 25th.
29	30.18	54.0	66	W.	.00	
30	30.24	62.5	84	S.W.	.02	
31	30.29	73.0	74	S.	.01	
TOTALS					4.15	
MEANS	29.93	60.5	74			

COMPARATIVE TEMPERATURE.

1871	57.9	1880	62.6
1872	58.3	1881	54.6
1873	55.6	1882	49.2
1874	56.9	1883	55.5
1875	57.8	1884	55.8
1876	54.5	1885	52.3
1877	55.2	1886	56.2
1878	55.7	1887	56.3
1879	59.0	1888	52.5
1889	60.5		

COMPARATIVE PRECIPITATIONS.

1871	Inches.	1880	Inches
1872	4.34	1881	1.67
1873	3.29	1882	4.16
1874	5.16	1883	6.95
1875	3.70	1884	5.11
1876	3.76	1885	3.31
1877	2.70	1886	4.26
1878	3.38	1887	3.08
1879	1.63	1888	1.67
1889 . . . . .	.97	1888	5.20
1889	4.15		

Average daily temperature for 19 years, 56.02.

Average monthly precipitation for 19 years, 3.55.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of June, 1889.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of June, 1889, 756
Population estimated at 415,000. Rate per 1,000 inhabitants, 21.86

Total number	756	NATIVITY.	
SEX.		United States	522
Males	374	Ireland	146
Females	382	England	21
CONDITION.		Scotland	5
Married	198	Germany	6
Single	453	British America	36
Widows	69	Italy	1
Widowers	31	Other Countries	11
Unknown	5	Unknown	8
COLOR.		PARENTAGE.	
White	745	United States	200
Colored	11	Irish	286
Total deaths of children	Under 1 year	English	18
	Under 2 years	Scotch	13
	Under 5 years	German	15
Diarrhoeal diseases	Under 1 year	British American	44
	Under 2 years	Italian	5
	Under 5 years	Other Countries	56
	All ages	Mixed	67
		Unknown	52
		Still-births during the month	59

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	AGE.																			SEX.			
	Total Mortality for June, 1880.	Total Mortality for June, 1888.																		Males.	Females.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.			90 years and under 100 yrs.	100 years and over.
I. ZYMOTICS.																							
ALCOHOLISM	6	4											1	2	3							2	4
CROUP	6	8			1	1	1			3	3										5	1	
CARBUNCLE																							
CHOLERA MORBUS		1																					
CHOLERA INFANTUM	28	6	6	9	10	3				28											15	13	
CEREBRO-SPINAL MENINGITIS	1	3		1						1												1	
CONGESTIVE FEVER																							
DIARRHŒA	14	10	4	5	1					10	1					1		2			8	6	
DYSENTERY	3	1				1				1							1	1			1	2	
DIPHTHERIA	57	37			3	3	7	4	9	26	26	2	2	1							34	23	
ERYSIPELAS		3																					
INTERMITTENT FEVER																							
INFLUENZA																							
MEASLES	3	2			1	1				1	3										3		
PURPURA		1																					
PUERPERAL FEVER		1																					
PYEMIA	2	1							1	1		1									2		
REMITTENT FEVER																							
RHEUMATISM	7	1									1			1		2	2	1			4	3	
SCARLATINA		1																					
SMALL POX																							
SYPHILIS (CONGENITAL)	2		1				1			2												2	
SYPHILIS																							
SEPTICEMIA	1	1											1									1	
TONSILLITIS																							
TYPHOID FEVER	12	11									1	2	5		1	1	2				7	5	
TYPHUS FEVER																							
WHOOPING COUGH	13	6	1	2	2	5		1		11	2										5	8	
YELLOW FEVER																							
OTHER ZYMOTIC DISEASES		2																					
II. CONSTITUTIONAL.																							
CANCER	19	33													4	4	7	4			2	17	
HYDROCEPHALUS AND TUBERC. MENINGITIS	15	23	1		2	5	2		2	12	1		1	1							8	7	
MARASMUS, SCROFULA AND TABES MESENTERICA	32	22	12	9	2	3		1		27		1			2				2		13	19	
PHTHISIS PULMONALIS	108	92				1	2		2	5	2	15	40	22	11	8	5				38	70	
OTHER CONSTITUTIONAL DISEASES	13	11			2	1				3	2	2	2	1		2	1				7	6	

of June, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for June, 1889.	Total Mortality for June, 1888.	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	21	15											1	2	2	6	3	4	3				11	10
Bright's Disease	10	16											1	1	1	5		2					4	
Bronchitis	20	38	2		6	3	2	1		14	1				2		2		1				12	8
Heart Disease	49	55	1	1						2	3	5	2	8	5	9	8	5	2				26	23
Meningitis	18	24		1	5	4	1			11	2	1	1	1	1		1						9	9
Nephritis	16	9											2	1	5	2	1	5					8	8
Pleurisy		4																						
Pneumonia	42	51	3		4	4	1	1		13	2		3	8	2		9	3	2				22	20
Other Local Diseases	130	151	7	8	10	5	2	1		33	4	9	16	10	13	16	15	10	3	1			62	68
IV. DEVELOPMENTAL.																								
Cyanosis	2	1	2							2														2
Inanition	9	2	7	2						9													6	3
Old Age	20	14															2	8	6	4			10	10
Premature Birth	14	12	14							14													8	6
Puer'l Diseases (not including Puer'l Fever)	2	1										1	1											2
Other Developmental Diseases . .	18	21	13				1	1		15		1				1			1				8	10
V. VIOLENT.																								
Accidental	37	37			1	1		1		3	1	8	5	9	3	4	2	2					33	4
Homicidal	1	1											1										1	
Suicidal	1	4											1											1
Other Violent Causes																								
Unknown Causes	4	4	1							1			2	1										4
TOTAL FROM ALL CAUSES	756	740	75	38	50	41	20	11	15	250	52	47	88	70	55	61	61	47	19	6			374	382
TOTAL FROM ZYMOTIC DISEASES	155	100	12	17	18	14	9	5	11	86	34	5	9	4	4	4	5	4					86	69
“ “ CONSTITUTIONAL DISEASES	187	181	13	9	6	10	4	1	4	47	5	18	43	24	17	14	13	4	2				68	119
“ “ LOCAL do.	306	362	13	10	25	16	6	3		73	12	15	26	31	31	38	39	29	11	1			154	152
“ “ DEVELOPMENTAL do.	65	51	36	2			1	1		40		1	1	1		1	2	8	6	5			32	33
“ “ VIOLENT CAUSES	39	42			1	1		1		3	1	8	7	9	3	4	2	2					34	5

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of June, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING JUNE, 1889.			CASES REPORTED DURING JUNE, 1888.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	165	....	Diphtheria	111	....
Measles	187	....	Measles	183	5
Small Pox . . . . .	....	....	Small Pox	1	1
Scarlatina	36	....	Scarlatina	20	....
Typhoid Fever	26	....	Typhoid Fever	41	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .		....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .		....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of June, 1889, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.09	71.5	80	S.	.00	Mean Barometer, 30.014.
2	30.02	65.5	87	S.	1.23	Highest Barometer, 30.46, on the 25th.
3	30.00	63.5	87	S.W.	.05	Lowest Barometer, 29.56, on the 5th and 6th.
4	29.71	60.5	95	S.W.	.30	Monthly Range of Barometer, 0.90.
5	29.57	63.5	81	S.W.	.60	Mean Temperature, 67.7.
6	29.62	60.5	70	W.	T	Highest Temperature, 87.0, on the 15th.
7	29.88	62.5	53	W.	.00	Lowest Temperature, 50.0, on the 7th.
8	29.88	65.5	78	S.W.	.09	Monthly Range of Temperature, 37.0.
9	30.01	67.0	89	S.W.	T	Greatest Daily Range of Temperature, 28.0, on the 20th.
10	30.06	69.5	92	S.	.05	Least Daily Range of Temperature, 3.0, on the 2d.
11	30.04	72.0	90	S.W.	T	Mean Daily Range of Temperature, 15.7.
12	30.10	67.5	86	W.	T	Mean Daily Dew-point, 60.8.
13	30.08	70.0	78	S.W.	.00	Mean Daily Relative Humidity, 79.3.
14	30.14	73.5	73	S.W.	.00	Prevailing Direction of Wind, S.W.
15	30.04	70.0	86	S.W.	.04	Total Movement of Wind, 7,047 Miles.
16	30.00	75.0	88	S.W.	.00	Highest Velocity of Wind and Direction, S. 32 on the 1st.
17	29.80	70.0	84	W.	.30	Number of Foggy Days, 0.
18	30.10	57.0	80	N.E.	.00	" Clear " 4.
19	29.94	58.0	79	N.E.	T	" Fair " 14.
20	29.80	71.0	70	W.	.00	Number of Cloudy " 12.
21	29.93	72.5	68	W.	.00	Total Number of Days on which Rain or Snow fell, 10.
22	29.80	69.0	80	S.W.	T	Depth of unmelted Snow on ground at end of month, 0.
23	30.16	65.0	70	W.	.00	Dates of Auroras, none observed.
24	30.42	66.5	62	W.	.00	Dates of Solar Halos, 14th.
25	30.43	64.5	66	S.	.00	Dates of Lunar Halos, 9th and 16th.
26	30.26	67.5	84	S.	T	Mean Max. Temp., 77.0.
27	30.11	74.5	81	S.W.	T	Thunder storm, 5th and 28th.
28	30.16	73.5	84	S.W.	T	Mean Min. Temp., 61.3.
29	30.13	69.5	87	S.E.	.11	Dates of Frosts, 0.
30	30.16	74.0	79	S.E.	.00	
TOTALS					2.77	
MEANS	30.014	67.7	79.3	S.W.	0.092	

Average daily temperature for 19 years, 66.01.

Average monthly precipitation for 19 years, 3.35.

T indicates trace of precipitation.

COMPARATIVE TEMPERATURE.	
1871 65.9	1880 67.3
1872 68.2	1881 66.6
1873 67.8	1882 65.9
1874 66.1	1883 69.0
1875 66.7	1884 66.0
1876 65.1	1885 66.4
1877 66.8	1886 65.1
1878 64.1	1887 64.5
1879 64.1	1888 66.8
1880 67.7	
COMPARATIVE PRECIPITATIONS.	
Inches.	Inches.
1871 5.47	1880 0.77
1872 4.87	1881 7.79
1873 0.54	1882 1.03
1874 3.94	1883 2.07
1875 7.25	1884 4.01
1876 1.72	1885 3.70
1877 3.21	1886 1.34
1878 3.28	1887 1.98
1879 6.24	1888 2.60
1880 2.77	

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of July, 1889.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

Deaths during the month of July, 1889,	1,044
Population estimated at ^{44,100} 415,000.	Rate per 1,000 inhabitants, ²⁷ 30.18

Total number	1044	NATIVITY.	
SEX.		United States	764
Males	562	Ireland	161
Females	482	England	11
CONDITION.		Scotland	3
Married	230	Germany	13
Single	703	British America	50
Widows	74	Italy	2
Widowers	28	Other Countries	25
Unknown	9	Unknown	15
COLOR.		PARENTAGE.	
White	1020	United States	268
Colored	24	Irish	331
Total deaths of children	Under 1 year	English	17
	Under 2 years	Scotch	14
	Under 5 years	German	30
Diarrhœal diseases	Under 1 year	British American	73
	Under 2 years	Italian	8
	Under 5 years	Other Countries	95
	All ages	Mixed	121
		Unknown	87
		Still-births during the month	46

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for July, 1889.	Total Mortality for July, 1888.	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	5	4											1	2	2							4	1	
CROUP	4	2				1	1	1		3	1										3	1		
CARBUNCLE	1																1				1			
CHOLERA MORBUS	8	9			1					1					2	2	2	1			4	4		
CHOLERA INFANTUM	200	180	37	51	80	25	4	1		198	2										105	95		
CEREBRO-SPINAL MENINGITIS	2				1					1			1								2			
CONGESTIVE FEVER																								
DIARRHŒA	41	21	11	11	12	1	1			36	1			1		1		1	1		21	20		
DYSENTERY	11	10			1	1			1	3	1		2		1		1	3			1	10		
DIPHTHERIA	32	29			3	5	4	8	3	23	8	1									15	17		
ERYSIPELAS	1	2		1						1											1			
INTERMITTENT FEVER																								
INFLUENZA																								
MEASLES	2	2						1		1	1										1	1		
PURPURA																								
PUERPERAL FEVER	1												1									1		
PYÆMIA		1																						
REMITTENT FEVER																								
RHEUMATISM	1																1				1			
SCARLATINA	1	1						1		1												1		
SMALL POX																								
SYPHILIS (CONGENITAL)	1	6	1							1												1		
SYPHILIS	1	1										1										1		
SEPTICÆMIA																								
TONSILLITIS																								
TYPHOID FEVER	17	11					1			1	6	3	2	2	2	1					10	7		
TYPHUS FEVER																								
WHOOPING COUGH	14	10	3	1	4	4	1	1		14											6	8		
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES		1																						
II. CONSTITUTIONAL.																								
CANCER	19	19												4		5	5	5			4	15		
HYDROCEPHALUS AND TUBERC. MENINGITIS	20	12		4	4	6	1		1	16	2	2								10	10			
MAKASMOUS, SCROFULA AND TABES MESENTERICA	70	36	24	26	10	2		1	1	64	1		1		1	1		2		40	21			
PHTHISIS PULMONALIS	113	115		1	1	2	1	1	2	8	3	9	33	24	15	11	8	2			50	54		
OTHER CONSTITUTIONAL DISEASES	13	10		1	2	1				4		3	1	2		2		1			8	5		

of July, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for July, 1889.	Total Mortality for July, 1888.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	18	19											2	2	2		7	5					11	7
Bright's Disease	8	14											2				4	1	1				2	6
Bronchitis	24	17	3	1	2	1	1	4		12			2			3	3	3	1				11	13
Heart Disease	70	54	1	3	1		1	1		7	2	1	5	6	8	11	12	11	7				33	37
Meningitis	23	19		1	9	4	2	1	3	20	2					1							14	9
Nephritis	9	6											1	2		3	2		1				3	6
Pleurisy		1																						
Pneumonia	36	23	1		3	3	3	1	2	13	2	1	2	6	4	5	2	1					20	16
Other Local Diseases	165	143	20	14	19	10	3	1	3	70	2	8	7	8	19	21	17	8	5				100	65
IV. DEVELOPMENTAL.																								
Cyanosis		1																						
Inanition	8	11	4	1	2			1		8													4	4
Old Age	25	17															3	9	10	3			8	17
Premature Birth	11	9	11							11													7	4
Puerp'l Diseases (not including Puerp'l Fever)	1	3											1											1
Other Developmental Diseases . .	20	19	10		1	1	1			13					1		2	2	2				9	11
V. VIOLENT.																								
Accidental	39	35		2	1			1		4	1	5	5	9	3	9	1	1	1				29	10
Homicidal	2	2	1							1					1								2	
Suicidal	4	3											2	1				1					2	2
Other Violent Causes	1																	1					1	
Unknown Causes	2	2	1							1					1								1	1
TOTAL FROM ALL CAUSES	1044	830	128	118	157	67	25	25	16	536	29	36	72	70	61	77	73	56	31	3			562	482
TOTAL FROM ZYMOTIC DISEASES	343	240	52	64	102	37	12	13	4	284	14	7	9	5	7	5	6	5	1				175	168
“ “ CONSTITUTIONAL DISEASES	235	192	24	32	17	11	2	2	4	92	6	14	34	31	15	19	14	8	2				130	105
“ “ LOCAL do.	353	296	25	19	34	18	10	8	8	122	8	10	21	24	33	44	47	29	15				194	159
“ “ DEVELOPMENTAL do.	65	60	25	1	3	1	1	1		32			1		1		5	11	12	3			28	37
“ “ VIOLENT CAUSES	46	40	1	2	1			1		5	1	5	7	10	4	9	1	3	1				34	12

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of July, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING JULY, 1889.			CASES REPORTED DURING JULY, 1888.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	93	....	Diphtheria	97	....
Measles	50	....	Measles	63	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	15	....	Scarlatina	19	....
Typhoid Fever	97	....	Typhoid Fever	84	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of July, 1889, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.29	72	80	S.W.	T	Mean Barometer, 29.986.
2	30.23	68	92	S.	.05	Highest Barometer, 30.325, on the 2d.
3	30.09	73	95	S.W.	.48	Lowest Barometer, 29.705, on the 20th.
4	29.87	71	90	N.	.10	Monthly Range of Barometer, 0.620.
5	30.02	70	81	N.W.	.00	Mean Temperature, 69.0.
6	30.18	70	76	S.W.	.00	Highest Temperature, 86.0, on the 13th.
7	30.07	70	70	W.	T	Lowest Temperature, 55.0, on the 16th.
8	29.91	72	82	E.	.00	Monthly Range of Temperature, 21.0.
9	30.06	62	83	S.E.	.00	Greatest Daily Range of Temperature, 25.0, on the 29th.
10	30.07	62	86	E.	T	Least Daily Range of Temperature, 3.0, on the 27th.
11	29.98	64	92	S.W.	.04	Mean Daily Range of Temperature, 13.2.
12	29.98	67	86	S.	.00	Mean Daily Dew-point, 62.7.
13	29.90	76	90	S.W.	.60	Mean Daily Relative Humidity, 82.0.
14	29.74	78	77	N.W.	.00	Prevailing Direction of Wind, S.W.
15	29.80	69	92	N.E.	.89	Total Movement of Wind, 7,318 Miles.
16	29.80	67	92	W.	.60	Highest Velocity of Wind and Direction, 36 S.W. on the 30th.
17	29.87	71	79	S.W.	.15	Number of Foggy Days, 0.
18	29.91	67	75	E.	.60	" Cloudless " 8.
19	29.90	71	78	S.	.99	" Partly cloudy " 13.
20	29.79	74	88	S.W.	.68	Number of Cloudy " 10.
21	29.86	74	67	N.W.	.69	Total Number of Days on which Rain or Snow fell, 13.
22	29.85	67	81	N.E.	.09	Depth of unmelted Snow on ground at end of month, 0.
23	29.77	72	83	S.W.	.20	Dates of Auroras, none observed.
24	29.89	68	64	N.W.	T	Dates of Solar Halos, none observed.
25	30.06	66	78	W.	.60	Dates of Lunar Halos, none observed.
26	30.15	63	74	E.	.00	Mean Max. Temp., 76.0.
27	29.93	62	100	N.E.	1.75	Mean Min. Temp., 63.0.
28	29.92	62	92	S.E.	.66	Thunder storm, 23d.
29	29.92	72	80	S.W.	.30	
30	29.91	78	90	S.W.	.15	
31	29.78	78	99	S.W.	.56	
TOTALS					5.80	
MEANS	29.896	69.4	82.2	S.W.	.187	

COMPARATIVE TEMPERATURE.			
1871	71	1880	70
1872	75	1881	68
1873	73	1882	72
1874	73	1883	71
1875	71	1884	64
1876	74	1885	71
1877	70	1886	71
1878	73	1887	73
1879	70	1888	65
1880	70		

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	3.24	1880	6.80
1872	4.00	1881	2.90
1873	3.84	1882	3.91
1874	3.47	1883	2.73
1875	3.93	1884	4.25
1876	5.86	1885	1.44
1877	2.27	1886	1.81
1878	4.58	1887	3.59
1879	3.09	1888	1.79
1880	3.09		

Average daily temperature for 19 years, 70.9.

Average monthly precipitation for 19 years, 3.65.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of August, 1889.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of August, 1889, 973
Population estimated at 420,000. Rate per 1,000 inhabitants, 27.8

Total number	973	NATIVITY.	
SEX.		United States	648
Males	510	Ireland	200
Females	463	England	19
CONDITION.		Scotland	9
Married	228	Germany	10
Single	607	British America	56
Widows	91	Italy	2
Widowers	39	Other Countries	16
Unknown	8	Unknown	13
COLOR.		PARENTAGE.	
White	957	United States	213
Colored	16	Irish	360
Total deaths of children	Under 1 year	English	20
	Under 2 years	Scotch	16
	Under 5 years	German	34
Diarrhoeal diseases	Under 1 year	British American	63
	Under 2 years	Italian	8
	Under 5 years	Other Countries	77
	All ages	Mixed	96
		Unknown	86
		Still-births during the month	50

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	AGE.																			SEX.			
	Total Mortality for August, 1889.	Total Mortality for August, 1888.	Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
I. ZYMOTICS.																							
ALCOHOLISM	4	7												2		2						2	2
CROUP	2	8					1	1		2												1	1
CARBUNCLE																							
CHOLERA MORBUS	10	15									2	1		1	3	2	1					5	5
CHOLERA INFANTUM	124	192	21	26	53	19	5			124												61	63
CEREBRO-SPINAL MENINGITIS	3	3			1			1		2		1										2	1
CONGESTIVE FEVER																							
DIARRHŒA	29	35	11	6	6					23			1		1	1		3				13	15
DYSENTERY	25	16			1	2	3			6		1		1	3	3	5	4	2			15	12
DIPHTHERIA	36	27		1		5	6	6	4	22	9	3	1		1							19	17
ERYSIPELAS		2																					
INTERMITTENT FEVER		1																					
INFLUENZA																							
MEASLES	2				2					2												1	1
PURPURA																							
PURPERAL FEVER.	1	1											1										1
PYŒMIA	1	1													1							1	
REMITTENT FEVER		1																					
RHEUMATISM	1	3															1						1
SCARLATINA	1	1									1												1
SMALL POX																							
SYPHILIS (CONGENITAL)	1	3			1					1												1	
SYPHILIS																							
SEPTICŒMIA	1	2											1										1
TONSILLITIS																							
TYPHOID FEVER.	35	19							1	1		5	16	7	3	2	1					25	9
TYPHUS FEVER																							
WHOOPING COUGH	15	8	1	3	3	5	3			15												7	8
YELLOW FEVER																							
OTHER ZYMOTIC DISEASES		1																					
II. CONSTITUTIONAL.																							
CANCER	32	17										1		3	4	7	5	9	3			14	24
HYDROCEPHALUS AND TUBERC. MENINGITIS	15	22	1		3	4	1	2	1	12	1				2							19	5
MARASMUS, SCROFULA AND TABES MESENTERICA	52	51	22	9	13	3	1			48		1	1		1		1					53	19
PHTHISIS PULMONALIS	100	117		1				1		2		10	38	22	14	7	6	1				55	45
OTHER CONSTITUTIONAL DISEASES	22	10	1	1	2	1	1			6			7	3	4	1		1				19	14

of August, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for August, 1889.	Total Mortality for August, 1888.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	26	29											1	2	5	1	5	6	6			16	10	
Bright's Disease	11	17										1		1	2	5		2				8	3	
Bronchitis	25	21	2	1	2	3	2			10			2	4	3	1	3	1	1			11	14	
Heart Disease	60	39				1				1		6	4	4	14	13	7	12	5			33	33	
Meningitis	15	30	1	4	4	1	2			12	2			1								9	6	
Nephritis	10	9										1		1	3	3		2				6	4	
Pleurisy																								
Pneumonia	34	17	1		4	1	3	2	2	13	2	1	3	2	2	3	6	1	1			23	11	
Other Local Diseases	160	147	34	6	16	9	2			67	2	4	8	16	22	14	5	16	5	1		67	93	
IV. DEVELOPMENTAL.																								
Cyanosis	1	3	1							1													1	
Inanition	17	7	13	2	1				1	17												6	11	
Old Age	24	21															1	8	12	1	2	11	13	
Premature Birth	12	13	12							12												7	5	
Puerp'l Diseases (not including Puerp'l Fever)		2																						
Other Developmental Diseases . .	12	24	3	1		1				5				1	1	1	2	2				3	9	
V. VIOLENT.																								
Accidental	38	32	2	1	1		1			5	2	4	8	6	6	5		2				33	5	
Homicidal		2																						
Suicidal	3	6												1		1	1					3		
Other Violent Causes	1													1									1	
Unknown Causes	6	6	3					1		4					1		1					3	3	
TOTAL FROM ALL CAUSES	973	983	129	62	113	53	31	14	9	413	21	40	92	79	95	72	51	70	35	2	2	510	463	
TOTAL FROM ZYMOTIC DISEASES	291	346	53	36	67	31	18	8	5	198	12	11	20	11	12	10	8	7	2			152	139	
“ “ CONSTITUTIONAL DISEASES	221	217	24	11	18	8	3	3	1	68	1	12	46	28	25	15	12	11	3			119	102	
“ “ LOCAL do.	347	309	38	11	26	15	9	2	2	103	6	13	18	31	51	40	23	40	18	1		173	174	
“ “ DEVELOPMENTAL do.	66	70	29	3	1	1				35				1	1	1	3	10	12	1	2	27	39	
“ “ VIOLENT CAUSES	42	40	2	1	1		1			5	2	4	8	8	6	6	1	2				36	6	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of August, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING AUGUST, 1889.			CASES REPORTED DURING AUGUST, 1888.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	99	....	Diphtheria	94	....
Measles	10	....	Measles	15	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	13	....	Scarlatina	11	....
Typhoid Fever	211	....	Typhoid Fever	84	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of August, 1889, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.14	76	89	S.W.	1.50	Mean Barometer, 30.074.
2	30.04	78	86	S.W.	.00	Highest Barometer, 30.403, on the 27th.
3	30.00	74	90	S.W.	.24	Lowest Barometer, 29.788, on the 14th.
4	30.07	75	70	S.W.	.00	Monthly Range of Barometer, 0.611.
5	30.09	66	90	S.W.	.12	Mean Temperature, 67.4.
6	30.18	64	79	N.W.	.00	Highest Temperature, 84.0, on the 2d.
7	30.11	68	74	N.W.	.00	Lowest Temperature, 52.0, on the 28th.
8	30.18	64	66	N.E.	.00	Monthly Range of Temperature, 32.0.
9	30.04	70	84	S.W.	T	Greatest Daily Range of Temperature, 20.0, on the 17th.
10	29.88	72	76	S.W.	.22	Least Daily Range of Temperature, 5.0, on the 15th.
11	29.94	68	66	W.	.60	Mean Daily Range of Temperature, 12.9.
12	30.08	64	72	N.W.	.00	Mean Daily Dew-point, 59.0.
13	30.14	64	80	S.W.	T	Mean Daily Relative Humidity, 79.0.
14	29.90	64	94	N.E.	1.48	Prevailing Direction of Wind, S.W.
15	29.83	58	92	N.E.	T	Total Movement of Wind, 6,267 Miles.
16	29.91	65	72	W.	.00	Highest Velocity of Wind and Direction, 38 miles S. on the 1st.
17	29.90	67	68	W.	.00	Number of Foggy Days, 0.
18	30.06	67	71	W.	.00	" Clear " 17.
19	30.03	68	73	W.	.00	" Fair " 6.
20	29.94	72	77	S.E.	.00	Number of Cloudy " 8.
21	29.93	71	63	N.W.	T	Total Number of Days on which Rain or Snow fell, 6.
22	29.88	70	64	W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.04	70	67	W.	.00	Dates of Auroras, none observed.
24	30.12	65	98	N.E.	.29	Dates of Solar Halos, none observed.
25	30.24	64	86	E.	.00	Dates of Lunar Halos, none observed.
26	30.36	64	84	N.E.	.00	Mean Max. Temp., 73.8.
27	30.36	60	83	N.E.	.00	Mean Min. Temp., 60.9.
28	30.28	58	69	N.E.	.00	Thunder storm, 1st, 3d, 14th.
29	30.10	60	88	E.	.00	Dates of Frosts, 0.
30	30.12	65	86	N.W.	.00	
31	30.19	70	75	E.	.00	
TOTALS					3.95	
MEANS ..	30.074	67.4	78.6	S.W.	.127	

Average daily temperature for 19 years, 69.

Average monthly precipitation for 19 years, 4.16.

T indicates trace of precipitation.

COMPARATIVE TEMPERATURE.			
1871	72	1880	69
1872	72	1881	70
1873	69	1882	70
1874	68	1883	68
1875	71	1884	68
1876	70	1885	67
1877	71	1886	68
1878	68	1887	67
1879	68	1888	69
1889	67		

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	3.06	1880	2.90
1872	3.70	1881	1.23
1873	0.21	1882	1.46
1874	6.87	1883	0.39
1875	3.50	1884	5.01
1876	1.23	1885	7.64
1877	4.40	1886	3.64
1878	7.66	1887	3.05
1879	6.71	1888	6.53
1889	3.95		

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of September, 1889.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of September, 1889, 837
Population estimated at 420,000. Rate per 1,000 inhabitants, 23.91

Total number 837

SEX.

Males 421

Females 416

CONDITION.

Married 220

Single 514

Widows 73

Widowers 22

Unknown 8

COLOR.

White 819

Colored 18

Total deaths of children { Under 1 year 246
Under 2 years 299
Under 5 years 351

Diarrhoeal diseases { Under 1 year 71
Under 2 years 83
Under 5 years 85
All ages 101

NATIVITY.

United States 549

Ireland 183

England 8

Scotland 7

Germany 15

British America 47

Italy 3

Other Countries 18

Unknown 7

PARENTAGE.

United States 169

Irish 343

English 11

Scotch 12

German 20

British American 47

Italian 7

Other Countries 80

Mixed 83

Unknown 65

Still-births during the month 46

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	AGE.																			SEX.				
	Total Mortality for September, 1889.	Total Mortality for September, 1888.	Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	6	2											1	1	3		1						6	
CROUP	11	3			1	4	2	2	1	10	1											7	4	
CARUNCLE	62																1	1				2		
CHOLERA MORBUS		1																						
CHOLERA INFANTUM	68	84	11	11	34	10	2			68												36	32	
CEREBRO-SPINAL MENINGITIS	2									1	1	1										1	1	
CONGESTIVE FEVER																								
DIARRHŒA	18	31	5	3	7	1				16								2				6	12	
DYSENTERY	15	8				1				1					1		2	4	4	3		4	11	
DIPHTHERIA	44	31			2	5	8	6	6	27	13	2		1	1							22	22	
ERYSIPELAS																								
INTERMITTENT FEVER																								
INFLUENZA																								
MEASLES																								
PURPURA	1	1			1					1													1	
PURPERAL FEVER		1																						
PYEMIA																								
REMITTENT FEVER		1																						
RHEUMATISM	1	3														1						1		
SCARLATINA		1																						
SMALL POX																								
SYPHILIS (CONGENITAL)	2	4	1		1					2												2		
SYPHILIS		1																						
SEPTICÆMIA		1																						
TONSILLITIS																								
TYPHOID FEVER	33	21									1	9	14	6	3							19	14	
TYPHUS FEVER		1																						
WHOOPING COUGH	11	7	4	3	1	2		1		11												7	4	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES		2																						
II. CONSTITUTIONAL.																								
CANCER	17	17												1	3	4	5	3	1			5	12	
HYDROCEPHALUS AND TUBERC. MENINGITIS	16	13	2	2	6	3	1	1	1	16												9	7	
MARASMUS, SCROFULA AND TABES MESENTERICA	47	63	13	21	5	4			1	44			1					2				24	23	
PHTHISIS PULMONALIS	115	107			1	3			1	5	1	9	39	28	18	6	5	3	1			55	60	
OTHER CONSTITUTIONAL DISEASES	8	10	1							1	1		2	3					1			6	2	

of September, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for September, 1889.	Total Mortality for September, 1888.	AGE.																			SEX.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
APOPLEXY	27	23												5		7	12	3				16	11
BRIGHT'S DISEASE	11	8										3		3	1	3	1					5	
BRONCHITIS	32	18	2	1	3	4	5	1	1	17		1		1	5	4	3	1				19	13
HEART DISEASE	56	45	2							2	2	3	3	4	12	10	13	5	1	1		27	29
MENINGITIS	20	14	2	4	5	3	1		1	16	2				1		1					11	9
NEPHRITIS	7	12						1		1			1		1	3		1				3	4
PLEURISY																							
PNEUMONIA	33	39	3	4	2	3			2	14	1	1		5	2	4	4	2				20	13
OTHER LOCAL DISEASES	126	158	18	5	14	7	2			46	1	3	5	11	16	15	19	7	2	1		49	77
IV. DEVELOPMENTAL.																							
CYANOSIS	2		2							2												2	
INANITION	18	5	15		2					17						1						7	11
OLD AGE	22	16															2	4	10	6		10	12
PREMATURE BIRTH	14	12	14							14												5	9
PUERPL DISEASES (not including Puerpl Fever)	1	1											1										1
OTHER DEVELOPMENTAL DISEASES	19	28	12			1				13				2	3		1					10	9
V. VIOLENT.																							
ACCIDENTAL	24	33				1	1	2	1	5	2		4	3	4	2	3		1			19	5
HOMICIDAL	2												2									1	1
SUICIDAL	3	3													2			1				3	
OTHER VIOLENT CAUSES																							
UNKNOWN CAUSES	3	2	1							1				1					1			2	1
TOTAL FROM ALL CAUSES	847	831	108	54	84	53	22	14	16	351	26	27	77	67	78	55	74	49	25	8		421	416
TOTAL FROM ZYMOTIC DISEASES	214	204	21	17	46	24	12	9	8	137	16	11	15	9	8	3	8	4	3			113	101
“ “ CONSTITUTIONAL DISEASES	203	210	16	23	12	10	1	1	3	66	2	9	42	32	21	10	10	8	3			99	104
“ “ LOCAL do.	312	317	27	14	24	17	8	2	4	96	6	7	13	20	40	39	50	32	7	2		150	162
“ “ DEVELOPMENTAL do.	76	62	43		2	1				46			1	2	3	1	3	4	10	6		34	42
“ “ VIOLENT CAUSES	29	36				1	1	2	1	5	2		6	3	6	2	3	1	1			23	6

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of September, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING SEPTEMBER, 1889.			CASES REPORTED DURING SEPTEMBER, 1888.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	99	....	Diphtheria	95	....
Measles	4	....	Measles	13	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	17	....	Scarlatina	16	....
Typhoid Fever	216	....	Typhoid Fever	245	1
Typhus Fever . . . . .	....	....	Typhus Fever	1	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of September, 1889. as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.35	66	83	E.	.00	Mean Barometer, 30.066.
2	30.26	66	88	S.W.	.00	Highest Barometer, 30.351, on the 1st.
3	30.16	71	83	S.W.	.00	Lowest Barometer, 29.425, on the 21st.
4	30.17	72	88	S.W.	.00	Monthly Range of Barometer, 0.926.
5	30.16	70	88	S.	.01	Mean Temperature, 62.8.
6	30.12	77	86	S.	.00	Highest Temperature, 83.0, on the 6th.
7	30.19	68	95	N.	.00	Lowest Temperature, 43.0, on the 23d.
8	30.21	64	92	N.E.	.00	Monthly Range of Temperature, 40.0.
9	30.22	62	94	N.E.	T	Greatest Daily Range of Temperature, 23.0, on the 4th.
10	30.18	63	86	N.E.	T	Least Daily Range of Temperature, 5.0, on the 12th.
11	30.12	61	92	N.E.	.30	Mean Daily Range of Temperature, 12.3.
12	30.17	64	94	N.E.	.40	Mean Daily Dew-point, 56.0.
13	30.29	62	88	N.E.	.00	Mean Daily Relative Humidity, 83.2.
14	30.29	65	92	N.E.	.44	Prevailing Direction of Wind, S.W.
15	30.18	67	90	S.	.65	Total Movement of Wind, 8,265 Miles.
16	30.06	73	88	S.W.	.05	Highest Velocity of Wind and Direction, 36 miles N.E. on the 10th.
17	29.98	73	90	S.W.	T	Number of Foggy Days, 0.
18	29.86	66	94	N.W.	.77	" Clear " 8.
19	29.56	56	85	S.W.	.74	" Fair " 8.
20	29.68	58	72	S.W.	T	Number of Cloudy " 14.
21	29.57	59	72	W.	.26	Total Number of Days on which Rain or Snow fell, 10.
22	29.65	52	66	W.	.00	Depth of unmelted Snow on ground at end of month, 0.
23	30.04	54	57	W.	.00	Dates of Auroras, none observed.
24	30.12	57	72	S.W.	.00	Dates of Solar Halos, none observed.
25	30.13	58	89	E.	T	Dates of Lunar Halos, none observed.
26	29.59	64	94	W.	.17	Mean Max. Temp., 69.0.
27	29.97	56	58	W.	.00	Mean Min. Temp., 56.7.
28	30.11	52	78	N.W.	T	Thunder storm, 21st.
29	30.22	52	58	S.W.	.00	Dates of Frosts, 0.
30	30.09	62	86	S.	.00	
TOTALS.....					3.19	
MEANS	30.066	62.8	83.2	S.W.	1.06	

COMPARATIVE TEMPERATURE.			
1871	59.3	1880	64.1
1872	63.9	1881	65.7
1873	62.8	1882	62.7
1874	64.3	1883	59.3
1875	59.3	1884	65.8
1876	58.8	1885	59.6
1877	63.9	1886	62.7
1878	63.1	1887	59.6
1879	60.7	1888	58.0
1889	62.8		

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	1.30	1880	2.36
1872	6.04	1881	2.50
1873	2.91	1882	10.93
1874	2.05	1883	1.50
1875	3.12	1884	0.31
1876	3.84	1885	1.70
1877	0.60	1886	2.73
1878	3.47	1887	0.97
1879	1.84	1888	6.77
1889	3.19		

Average daily temperature for 19 years, 61.9

Average monthly precipitation for 19 years, 28.9.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of October, 1889.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of October, 1889, 804
Population estimated at 420,000. Rate per 1,000 inhabitants, 22.97

Total number 804

SEX.

Males 391
Females 413

CONDITION.

Married 224
Single 451
Widows 87
Widowers 32
Unknown 7

COLOR.

White 786
Colored 18

Total deaths of children { Under 1 year 160
Under 2 years 210
Under 5 years 259

Diarrhoeal diseases { Under 1 year 14
Under 2 years 23
Under 5 years 23
All ages 30

NATIVITY.

United States 513
Ireland 176
England 19
Scotland 6
Germany 15
British America 47
Italy 1
Other Countries 12
Unknown 15

PARENTAGE.

United States 201
Irish 290
English 22
Scotch 8
German 33
British American 42
Italian 10
Other Countries 57
Mixed 66
Unknown 75

Still-births during the month 51

CAUSES OF DEATH.

of October, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for October, 1889.	Total Mortality for October, 1888.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	19	17										1	2	2	1	3	6	4				6	13	
Bright's Disease	17	10									2	1	3	2	7	1	1				10			
Bronchitis	41	38	4	5	3	3	3	1	19		1	1			7	5	5	3			21	20		
Heart Disease	79	57	2		1				3	1	7	6	6	11	11	13	14	6	1		32	47		
Meningitis	15	13	3	1	5	1	1		11	2	1				1						6	9		
Nephritis	13	17									1	5		1	1	4		1			7	6		
Pleurisy		1																						
Pneumonia	55	62	4	5	3	4	3	1	20	2	1	3	6	7	5	5	4	1	1		34	21		
Other Local Diseases	112	143	9	6	7	7	2	2	33	5	2	7	17	12	10	17	8	1			59	53		
IV. DEVELOPMENTAL.																								
Cyanosis		1																						
Inanition	5	7	4			1			5												2	3		
Old Age	28	10														2	12	12	2		11	17		
Premature Birth	11	11	10			1			11												8	3		
Puer'l. Diseases (not including Puer'l Fever)	7	1									1	4	1	1								7		
Other Developmental Diseases	19	22	8	2	1	1		1	13		1						4	1			10	9		
V. VIOLENT.																								
Accidental	25	27	1				1	2	1		4	1	5	10	1		1				17	8		
Homicidal	1										1										1			
Suicidal	4	2									1	2		1							4			
Other Violent Causes	1	1												1							1			
Unknown Causes	2	1		1					1		1											2		
TOTAL FROM ALL CAUSES	804	825	74	55	51	50	25	16	8	259	36	38	94	69	70	71	63	66	52	4	391	443		
TOTAL FROM ZYMOTIC DISEASES	141	188	10	5	12	24	12	10	5	78	18	5	17	6	8	5	1	3			66	70		
“ “ CONSTITUTIONAL DISEASES	209	226	19	10	19	8	4	1	2	63	7	15	43	25	21	11	13	9	2		96	113		
“ “ LOCAL do.	351	358	22	17	19	15	9	4		86	10	15	24	34	35	43	48	38	16	2	175	176		
“ “ DEVELOPMENTAL do.	70	62	22	2	1	3			1	29		2	4	1	1		2	16	13	2	31	39		
“ “ VIOLENT CAUSES	31	30	1					1	2	1		6	3	5	12	1		1			23	8		

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of October, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING OCTOBER, 1889.				CASES REPORTED DURING OCTOBER, 1888.			
City.		Quarantine.		City.		Quarantine.	
Diphtheria	137	....	....	Diphtheria	146	....	....
Measles	1	....	2	Measles	17	....	....
Small Pox	7	....	....	Small Pox . . . . .	....	....	....
Scarlatina	32	....	....	Scarlatina	52	....	....
Typhoid Fever	209	....	....	Typhoid Fever	106	....	2
Typhus Fever . . . . .	....	....	....	Typhus Fever . . . . .	....	....	....
Yellow Fever . . . . .	....	....	....	Yellow Fever . . . . .	....	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of October, 1889, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.																																																																																																														
1	29.64	64	87	S.W.	.31	Mean Barometer, 30.042.																																																																																																														
2	29.80	58	68	W.	.00	Highest Barometer, 30.454, on the 23d.																																																																																																														
3	30.03	50	68	N.W.	.00	Lowest Barometer, 29.569, on the 1st.																																																																																																														
4	30.08	60	72	S.W.	.02	Monthly Range of Barometer, 0.885.																																																																																																														
5	30.14	46	76	N.	.00	Mean Temperature, 48.5.																																																																																																														
6	29.98	56	90	S.E.	T	Highest Temperature, 74.0, on the 20th.																																																																																																														
7	29.75	52	86	N.W.	.03	Lowest Temperature, 32.0, on the 24th.																																																																																																														
8	29.97	46	67	W.	.06	Monthly Range of Temperature, 42.0.																																																																																																														
9	29.64	50	62	S.W.	.00	Greatest Daily Range of Temperature, 25.0, on the 19th.																																																																																																														
10	29.86	50	62	W.	T	Least Daily Range of Temperature, 5.0, on the 31st.																																																																																																														
11	29.99	48	64	S.	.00	Mean Daily Range of Temperature, 12.0.																																																																																																														
12	30.05	48	82	N.	T	Mean Daily Dew-point, 59.6.																																																																																																														
13	30.10	44	77	N.E.	1.12	Mean Daily Relative Humidity, 74.0.																																																																																																														
14	29.99	43	88	N.	.14	Prevailing Direction of Wind, N.																																																																																																														
15	30.01	48	68	N.	.10	Total Movement of Wind, 8,244 Miles.																																																																																																														
16	30.20	44	64	N.	.00	Highest Velocity of Wind and Direction, 59 miles S.W., on the 1st.																																																																																																														
17	30.07	43	78	N.W.	.00	Number of Foggy Days, 0.																																																																																																														
18	30.04	53	52	W.	.00	" Clear " 8.																																																																																																														
19	30.15	52	70	W.	.00	" Fair " 10.																																																																																																														
20	29.99	64	80	S.W.	.00	Number of Cloudy " 13.																																																																																																														
21	30.20	42	70	N.	.05	Total Number of Days on which Rain or Snow fell, 10.																																																																																																														
22	30.34	40	55	N.W.	.00	Depth of unmelted Snow on ground at end of month, 0.																																																																																																														
23	30.44	38	63	N.	.00	Dates of Auroras, none observed.																																																																																																														
24	30.33	36	69	N.E.	.00	Dates of Solar Halos, none observed.																																																																																																														
25	30.05	44	81	N.E.	.00	Dates of Lunar Halos, none observed.																																																																																																														
26	30.07	49	82	W.	.00	Mean Max. Temp., 54.5. Mean Min. Temp., 42.5.																																																																																																														
27	29.95	52	88	E.	.30	Thunder storm, none.																																																																																																														
28	29.74	56	85	S.	.40	Dates of Frosts, light 8th, 9th, 12th, 16th, killing 17th, 22d, 24th.																																																																																																														
29	29.99	44	90	N.	.94	COMPARATIVE TEMPERATURE.																																																																																																														
30	30.16	42	74	N.	.00	<table><tr><th>Inches.</th><th>1880.</th><th>1881.</th><th>1882.</th><th>1883.</th><th>1884.</th><th>1885.</th><th>1886.</th><th>1887.</th><th>1888.</th><th>1889.</th></tr><tr><td>1871</td><td>54.0</td><td>50.4</td><td>50.3</td><td>54.6</td><td>47.4</td><td>52.5</td><td>51.1</td><td>51.0</td><td>47.1</td><td></td></tr><tr><td>1872</td><td>51.7</td><td>50.3</td><td>54.6</td><td>47.4</td><td>52.5</td><td>51.1</td><td>51.0</td><td>47.1</td><td></td><td></td></tr><tr><td>1873</td><td>52.8</td><td>54.6</td><td>47.4</td><td>52.5</td><td>51.1</td><td>51.0</td><td>47.1</td><td></td><td></td><td></td></tr><tr><td>1874</td><td>53.1</td><td>47.4</td><td>52.5</td><td>51.1</td><td>51.0</td><td>47.1</td><td></td><td></td><td></td><td></td></tr><tr><td>1875</td><td>49.2</td><td>52.5</td><td>51.1</td><td>51.0</td><td>47.1</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1876</td><td>47.8</td><td>51.1</td><td>51.0</td><td>47.1</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1877</td><td>50.8</td><td>47.1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1878</td><td>54.9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1879</td><td>56.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Inches.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1871	54.0	50.4	50.3	54.6	47.4	52.5	51.1	51.0	47.1		1872	51.7	50.3	54.6	47.4	52.5	51.1	51.0	47.1			1873	52.8	54.6	47.4	52.5	51.1	51.0	47.1				1874	53.1	47.4	52.5	51.1	51.0	47.1					1875	49.2	52.5	51.1	51.0	47.1						1876	47.8	51.1	51.0	47.1							1877	50.8	47.1									1878	54.9										1879	56.0									
Inches.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.																																																																																																										
1871	54.0	50.4	50.3	54.6	47.4	52.5	51.1	51.0	47.1																																																																																																											
1872	51.7	50.3	54.6	47.4	52.5	51.1	51.0	47.1																																																																																																												
1873	52.8	54.6	47.4	52.5	51.1	51.0	47.1																																																																																																													
1874	53.1	47.4	52.5	51.1	51.0	47.1																																																																																																														
1875	49.2	52.5	51.1	51.0	47.1																																																																																																															
1876	47.8	51.1	51.0	47.1																																																																																																																
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1879	56.0																																																																																																																			
31	30.19	44	76	S.W.	.00																																																																																																															
TOTALS					3.31																																																																																																															
MEANS	30.042	48.6	74.0	N.	1.07																																																																																																															

Average daily temperature for 19 years, 51.5

Average monthly precipitation for 19 years, 4.05.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of November, 1889.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

Deaths during the month of November, 1889, 702

Population estimated at 420,000.

Rate per 1,000 inhabitants, 20.05

Total number 702

SEX.

Males 337

Females 365

CONDITION.

Married 217

Single 387

Widows 67

Widowers 23

Unknown 8

COLOR.

White 681

Colored 21

Total deaths of children	Under 1 year	123
	Under 2 years	171
	Under 5 years	210

Diarrhœal diseases	Under 1 year	13
	Under 2 years	15
	Under 5 years	15
	All ages	18

NATIVITY.

United States 443

Ireland 119

England 11

Scotland 6

Germany 15

British America 43

Italy 2

Other Countries 12

Unknown 18

PARENTAGE.

United States 159

Irish 254

English 17

Scotch 6

German 23

British American 51

Italian 7

Other Countries 17

Mixed 57

Unknown 84

Still-births during the month 44

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	AGE.														SEX.								
	Total Mortality for November, 1889.	Total Mortality for November, 1888.	Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
I. ZYMOTICS.																							
ALCOHOLISM	7	4												4	1	2						5	12
CROUP	8	13			1	1	6	1		8												4	4
CARRIAGE																							
CHOLERA MORBUS	1												1									1	
CHOLERA INFANTUM	6	3	1	1	3	1				6												2	4
CEREBRO-SPINAL MENINGITIS		2																					
CONGESTIVE FEVER																							
DIARRHŒA	9	16	8							8						1						3	6
DYSENTERY	2					1				1					1							1	1
DIPHTHERIA	42	61			2	8	6	7	6	29	11	2										19	23
ERYSIPELAS																							
INTERMITTENT FEVER																							
INFLUENZA																							
MEASLES		1																					
PURPURA	1																1						1
PUERPERAL FEVER																							
PYŒMIA	2	1											1		1							1	1
REMITTENT FEVER																							
RHEUMATISM	1	1																1					1
SCARLATINA		1																					
SMALL POX	2				1					1		1										1	1
SYPHILIS (CONGENITAL)	1	1	1							1													1
SYPHILIS	1															1							1
SEPTICŒMIA	1	2									1												1
TONSILLITIS																							
TYPHOID FEVER	17	17			1					1		2	7	3	4							8	9
TYPHUS FEVER																							
WHOOPING COUGH	3	3			2	1				3												1	2
YELLOW FEVER																							
OTHER ZYMOTIC DISEASES	1	1												1								1	
II. CONSTITUTIONAL.																							
CANCER	30	17					1			1			1	5	7	10	3	3				11	19
HYDROCEPHALUS AND TUBERC. MENINGITIS	5	15	2		2					4			1									3	2
MARASMUS, SCROFULA AND TABES MESENTERICA	23	29	9	7	5	3				24			1									13	12
PHTHISIS PULMONALIS	115	112	1	1	1	1				4	1	14	37	27	18	8	6					54	61
OTHER CONSTITUTIONAL DISEASES	18	16			1	1	1		1	4		1	3	6		1	3					8	10

of November, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.		
	Total Mortality for November, 1890.	Total Mortality for November, 1888.	Under 3 mos. % mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																							
APoplexy	25	26												3	4	10		4	2			7	16
Bright's Disease	17	17									1	2	1	4	2	2	4	1				4	13
BRonCHITIS	36	31	3	7	4	5	2		1	22	1		1		2	1	2	3	4			14	22
HEART DISEASE	63	54		1					1		1	6	6	8	9	16	7	6				29	31
MENINGITIS	14	17	1	1	3	5	1			11		1	1			1						12	2
NEPHRITIS	12	4				1	1			2			1	3	2	3			1			7	5
PLEURISY																							
PNEUMONIA	64	63	5	4	1	4	1		3	18	3	1	3	9	8	10	6	5	1			33	31
OTHER LOCAL DISEASES	95	127	18	1	2	6		1		28	1	2	12	12	9	11	10	5	3			43	50
IV. DEVELOPMENTAL.																							
CYANOSIS	3	1	3							3												2	1
INANITION	9	1	6	2						8						1						5	4
OLD AGE	16	15															2	2	12			7	9
PREMATURE BIRTH	11	9	11							11												7	4
PUER'l DISEASES (not including Puer'l Fever)	3	3											2	1									3
OTHER DEVELOPMENTAL DISEASES	8	18	6							6					1			1				4	4
V. VIOLENT.																							
ACCIDENTAL	26	33	2						1	3			10	2	7	3	1					20	6
HOMICIDAL	1		1							1												1	
SUICIDAL	5	4											1	1	3							3	2
OTHER VIOLENT CAUSES	2												1			1						2	
UNKNOWN CAUSES	1	3	1							1												1	
TOTAL FROM ALL CAUSES	702	732	70	25	29	38	18	9	12	210	18	25	95	81	80	68	62	35	30			337	365
TOTAL FROM ZYMOTIC DISEASES	105	117	10	1	10	12	11	8	6	53	12	4	10	8	8	3	1	1				47	58
“ “ CONSTITUTIONAL DISEASES	193	189	12	8	9	5	2		1	37	1	15	43	38	25	19	12	3				89	104
“ “ LOCAL do.	319	339	27	14	10	21	5	1	4	82	5	6	23	31	36	41	46	28	18			140	170
“ “ DEVELOPMENTAL do.	50	47	26	2						23			2	1	1	1	2	3	12			25	25
“ “ VIOLENT CAUSES	34	37	3						1	4			12	3	10	4	1					26	8

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of November, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING NOVEMBER, 1889.			CASES REPORTED DURING NOVEMBER, 1888.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	131	....	Diphtheria	156	....
Measles	4	2	Measles	85	....
Small Pox	3	....	Small Pox . . . . .	....	....
Scarlatina	36	....	Scarlatina	29	....
Typhoid Fever	64	....	Typhoid Fever	131	1
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of November, 1889, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.22	48	94	W.	.15	Mean Barometer, 30.067.
2	30.19	54	84	S.	T	Highest Barometer, 30.64, on the 27th.
3	29.57	59	85	S.W.	.38	Lowest Barometer, 29.30, on the 22d.
4	30.15	49	60	W.	.00	Monthly Range of Barometer, 1.336.
5	30.17	44	57	W.	.00	Mean Temperature, 44.6.
6	30.15	40	60	S.W.	.00	Highest Temperature, 66.0, on the 3d.
7	30.06	47	50	S.W.	.00	Lowest Temperature, 21.0, on the 16th.
8	30.19	48	74	W.	.00	Monthly Range of Temperature, 45.0.
9	30.00	50	88	N.	.02	Greatest Daily Range of Temperature, 23.0, on the 17th.
10	30.01	42	88	N.E.	.39	Least Daily Range of Temperature, 5.0, on the 30th.
11	30.17	44	80	W.	T	Mean Daily Range of Temperature, 11.5.
12	30.21	50	85	S.W.	.02	Mean Daily Dew-point, 35.4.
13	29.86	51	92	N.E.	.30	Mean Daily Relative Humidity, 74.6.
14	29.69	56	72	W.	.25	Prevailing Direction of Wind, W.
15	30.11	34	64	N.W.	.00	Total Movement of Wind, 8,501 Miles.
16	30.57	29	60	W.	.00	Highest Velocity of Wind and Direction, 40 miles S.E. on the 28th.
17	30.41	36	50	S.W.	.00	Number of Foggy Days, 0.
18	30.27	38	63	N.E.	.00	" Clear " 9.
19	30.03	46	96	N.E.	.45	" Fair " 4.
20	29.75	52	88	S.W.	.85	Number of Cloudy " 17.
21	29.69	48	88	S.	.10	Total Number of Days on which Rain or Snow fell, 13.
22	29.36	47	84	N.W.	.30	Depth of unmelted Snow on ground at end of month, 0.
23	29.78	46	78	W.	.00	Dates of Auroras, none observed.
24	30.16	45	66	S.W.	.00	Dates of Solar Halos, none observed.
25	30.21	46	65	N.W.	.00	Dates of Lunar Halos, none observed.
26	30.53	51	61	N.W.	.00	Mean Max. Temp., 50.4.
27	30.45	35	94	N.E.	.07	Mean Min. Temp., 38.9.
28	29.65	50	84	S.E.	1.63	Thunder storm, none.
29	29.84	40	65	S.W.	.00	Dates of Frosts, none.
30	30.21	32	62	W.	.00	
TOTALS					4.91	
MEANS	30.067	44.6	74.5	W.	.164	

COMPARATIVE TEMPERATURE.			
1871	37	1880	37
1872	40	1881	42
1873	33	1882	40
1874	41	1883	42
1875	34	1884	58
1876	40	1885	33
1877	43	1886	43
1878	40	1887	42
1879	39	1888	43
1880	45		

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	6.42	1880	2.30
1872	3.66	1881	3.73
1873	8.34	1882	1.20
1874	2.85	1883	2.08
1875	5.47	1884	4.46
1876	11.03	1885	5.78
1877	9.62	1886	3.59
1878	8.94	1887	2.22
1879	2.97	1888	4.97
1889	4.91		

Average daily temperature for 19 years, 40.5

Average monthly precipitation for 19 years, 4.95.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of December, 1889.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

Deaths during the month of December, 1889, 919

Population estimated at 420,000.

Rate per 1,000 inhabitants, 26.25

Total number 919

SEX.

Males 499

Females 420

CONDITION.

Married 285

Single 488

Widows 93

Widowers 42

Unknown 11

COLOR.

White 890

Colored 29

Total deaths of children	Under 1 year	131
	Under 2 years	178
	Under 5 years	238

Diarrhoeal diseases	Under 1 year	7
	Under 2 years	8
	Under 5 years	8
	All ages	11

NATIVITY.

United States 592

Ireland 194

England 19

Scotland 7

Germany 18

British America 51

Italy 6

Other Countries 19

Unknown 13

PARENTAGE.

United States 234

Irish 366

English 20

Scotch 8

German 25

British American 50

Italian 17

Other Countries 49

Mixed 72

Unknown 78

Still-births during the month 44

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for December, 1889.	Total Mortality for December, 1888.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	7	8											1	2	2	2							5	2
CROUP	17	15				2	3	4	5	14	3											8	9	
CARBUNCLE																								
CHOLERA MORBUS																								
CHOLERA INFANTUM	1	1				1				1												1		
CEREBRO-SPINAL MENINGITIS	1	1										1										1		
CONGESTIVE FEVER																								
DIARRHŒA	9	2	5	1						6					1	2						5	4	
DYSENTERY	1		1							1												1		
DIPHTHERIA	59	53	1		1	8	8	10	8	36	16	3	3	1								33	26	
ERYSIPELAS	2	1			1					1			1									1	1	
INTERMITTENT FEVER																								
INFLUENZA																								
MEASLES		5																						
PURPURA	1	1												1									1	
PUERPERAL FEVER		1																						
PYÆMIA	1	1		1						1												1		
REMITTENT FEVER																								
RHEUMATISM	1	1															1					1		
SCARLATINA	4	1		1			1			2					2							4		
SMALL POX																								
SYPHILIS (CONGENITAL)	1		1							1												1		
SYPHILIS	1	2											1									1		
SEPTICÆMIA																								
TONSILLITIS,		1																						
TYPHOID FEVER	13	18			1	1				2	1	3	4	1	1	1						10	3	
TYPHUS FEVER																								
WHOOPING COUGH	3	3	1		2					3												1	2	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES	1	3															1					1		
II. CONSTITUTIONAL.																								
CANCER	29	20													6	5	8	8	1	1		8	21	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	15	11			2	5	3	1	1	12		2		1								8	7	
MARASMUS, SCROFULA AND TABES MESENTERICA	20	20	9	4		1				14							3	3				11	9	
PHTHISIS PULMONALIS	145	135			1	2		1		4	3	16	54	24	15	8	13	7	1			81	64	
OTHER CONSTITUTIONAL DISEASES	17	13									3		4	8			1	1				9	8	

of December, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for December, 1889.	Total Mortality for December, 1888.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	30	24		1					1			1		4	6	8	6	4				12	18	
Bright's Disease	12	11									1	1	1	1	5	1	1	1				6	6	
Bronchitis	43	41	10	4	3	4			21		1	1	3		5	3	4	5				27	16	
Heart Disease	82	59	1						1	1	4	10	9	11	12	14	12	8				35	47	
Meningitis	20	18	1	2	2	5	1		1	12	3		1	1	1	1		1				14	6	
Nephritis	8	10			1					1			1	2	1	2	1					5	3	
Pleurisy		2																						
Pneumonia	148	80	2	2	7	13	6		1	31	3	2	21	19	29	19	14	7	3			83	65	
Other Local Diseases	102	114	9	4		4	2	1	1	21	1	6	11	10	12	14	12	9	6			57	45	
IV. DEVELOPMENTAL.																								
Cyanosis	5	1	5							5												1	4	
Inanition	6	6	4	2						6												4	2	
Old Age	24	25															2	6	11	4	1	12	12	
Premature Birth	21	20	21							21												12	9	
Puerp'l Diseases (not including Puerp'l Fever)	4	2											2	1	1								4	
Other Developmental Diseases . .	24	20	15	1	1	1				18						1	2	1	2			8	16	
V. VIOLENT.																								
Accidental	32	27					1	1	2		1	4	12	4	5	2	2					26	6	
Homicidal																								
Suicidal	6	2											2	1	1	2						5	1	
Other Violent Causes	2											1			1								2	
Unknown Causes	1	2										1											1	
TOTAL FROM ALL CAUSES	919	781	86	23	22	47	25	18	17	238	34	40	124	105	89	94	90	57	43	4	1	499	420	
TOTAL FROM ZYMOTIC DISEASES	123	118	9	3	5	12	12	14	13	68	20	7	17	6	4	3	4					75	48	
“ “ CONSTITUTIONAL DISEASES	226	199	9	4	3	8	3	2	1	30	6	18	58	39	20	19	25	9	2			117	109	
“ “ LOCAL do.	445	359	23	13	13	26	9	1	3	88	8	14	47	45	59	64	53	39	28			239	206	
“ “ DEVELOPMENTAL do.	84	74	45	3	1	1				50			2	1	1	1	4	7	13	4	1	37	47	
“ “ VIOLENT CAUSES	40	29					1	1		2		1	5	14	5	7	4	2				31	9	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of December, 1889, and for the corresponding month in 1888.

CASES REPORTED DURING DECEMBER, 1889.			CASES REPORTED DURING DECEMBER, 1888.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	174	....	Diphtheria	174	....
Measles	9	....	Measles	160	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	49	1	Scarlatina	40	....
Typhoid Fever	64	....	Typhoid Fever	67	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of December, 1889, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.40	35	54	W.	.00	Mean Barometer, 30.13.
2	30.02	43	47	S W.	.00	Highest Barometer, 30.96, on the 31st.
3	30.04	34	64	N.	.04	Lowest Barometer, 29.28, on the 26th.
4	30.48	15	79	N.	T	Monthly Range of Barometer, 1.67.
5	30.24	28	84	N.W.	.05	Mean Temperature, 38.0.
6	29.95	37	68	W.	.04	Highest Temperature, 65.0, on the 25th.
7	30.04	38	68	S.W.	.00	Lowest Temperature, 10.0, on the 4th.
8	30.22	43	82	S.W.	T	Monthly Range of Temperature, 55.0.
9	30.11	55	82	S.W.	.25	Greatest Daily Range of Temperature, 30.0, on the 29th.
10	30.36	42	76	E.	.00	Least Daily Range of Temperature, 5.0, on the 14th.
11	29.88	48	79	W.	.22	Mean Daily Dew-point, 27.3.
12	30.07	42	54	W.	.00	Mean Daily Relative Humidity, 69.2.
13	29.94	44	58	S.W.	T	Prevailing Direction of Wind, W.
14	30.21	22	77	N.	.20	Total Movement of Wind, 9,539 Miles.
15	30.29	22	78	N.	.02	Highest Velocity of Wind and Direction, 54 miles W. on the 26th.
16	30.28	30	78	W.	.00	Number of Foggy Days, 0.
17	30.28	36	79	S.W.	.00	" Clear " 8.
18	30.29	43	95	E.	.05	" Fair " 7.
19	29.92	46	85	W.	.37	Number of Cloudy " 14.
20	29.85	48	81	S.W.	.00	Total Number of Days on which Rain or Snow fell, 19.
21	30.14	42	56	W.	T	Depth of unmelted Snow on ground at end of month, 0.
22	30.07	37	80	W.	.18	Dates of Auroras, none observed.
23	30.30	40	52	N.W.	.00	Dates of Solar Halos, none observed.
24	30.32	37	68	W.	T	Dates of Lunar Halos, none observed.
25	29.81	52	60	S.W.	.35	Mean Max. Temp., 45.1. Mean Min. Temp., 30.3.
26	29.43	46	52	W.	.02	Thunder storm, none.
27	29.72	31	45	W.	.00	Dates of Frosts, none.
28	30.04	36	66	W.	.00	
29	30.11	41	84	S.E.	T	
30	30.23	39	48	N.W.	.04	
31	30.87	24	64	N.	.00	
TOTALS.....					1.83	
MEANS	30.06	38.0	69.2	W.	.059	

Average daily temperature for 19 years, 30.7

Average monthly precipitation for 19 years, 3.41.

T indicates trace of precipitation.

COMPARATIVE TEMPERATURE.			
1871	28	1880	26
1872	24	1881	38
1873	31	1882	30
1874	31	1883	29
1875	29	1884	33
1876	22	1885	33
1877	35	1886	29
1878	30	1887	32
1879	32	1888	34
1889	38		

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	3.38	1880	3.42
1872	2.95	1881	3.82
1873	5.64	1882	2.65
1874	2.14	1883	3.71
1875	0.75	1884	4.46
1876	3.71	1885	2.09
1877	1.32	1886	3.66
1878	6.76	1887	2.71
1879	5.36	1888	4.39
1889	1.83		

SUMMARY OF DEATHS IN BOSTON.

With Principal Causes, for the year 1889. Compared with those of 1888.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

	1889.	1888.		1889.	1888.
Total No. of deaths from all causes . .	10,259	10,197	Erysipelas	24	41
Population (estimated)	420,000	415,000	Intermittent Fever	—	1
Annual death rate per 1000 inhabitants	24.42	24.57	Measles	48	27
Total No. from Zymotic diseases . .	1,968	1,841	Purpura	3	4
Percentage of deaths from Zymotic dis-			Puerperal Fever	12	18
eases to total mortality	19.18	18.0	Pyæmia	8	10
Total No. of Still-births	598	552	Remittent Fever	—	2
Total deaths of children under 1 year .	2,360	2,281	Rheumatism	31	28
“ “ “ “ 2 years .	2,967	2,878	Scarlatina	23	65
“ “ “ “ 5 years .	3,633	3,599	Small Pox	2	2
Percentage of deaths under 5 years to			Syphilis (congenital)	22	26
total mortality	35.41	35.2	Syphilis	10	4
Total No. of deaths from diarrhœal dis-			Septicæmia	18	17
eases, under 5 years	598	574	Tonsillitis	1	7
Total No. of deaths from diarrhœal dis-			Typhoid Fever	186	170
eases, all ages	710	669	Typhus Fever	—	1
Percentage of deaths from diarrhœal dis-			Whooping Cough	96	74
eases to total mortality	6.92	6.5	Yellow Fever	—	—
Alcoholism	62	53	Other Zymotic Diseases	5	14
Croup	119	119	Cancer	306	279
Carbuncle	2	—	Phthisis Pulmonalis	1,431	1,464
Cholera Morbus	22	27	Bright's Disease	155	170
Cholera Infantum	450	440	Bronchitis	448	474
Cerebro Spinal Meningitis	21	19	Heart Disease	789	668
Diarrhœa	163	154	Pneumonia	934	990
Dysentery	76	48	Old age	282	240
Diphtheria	564	470	Violent Deaths	423	414

3761.9

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of January, 1890.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of January, 1890, 1309
Population estimated at 420,000. Rate per 1,000 inhabitants, 37.4

Total number	1309	NATIVITY.	
SEX.		United States	790
Males	646	Ireland	309
Females	663	England	26
CONDITION.		Scotland	12
Married	470	Germany	34
Single	606	British America	78
Widows	157	Italy	9
Widowers	54	Other Countries	33
Unknown	22	Unknown	18
COLOR.		PARENTAGE.	
White	1279	United States	313
Colored	30	Irish	518
Total deaths of children	Under 1 year	English	36
	Under 2 years	Scotch	14
	Under 5 years	German	45
Diarrhœal diseases	Under 1 year	British American	69
	Under 2 years	Italian	20
	Under 5 years	Other Countries	101
	All ages	Mixed	76
		Unknown	117
		Still-births during the month	55

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for January, 1890.	Total Mortality for January, 1889.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 6 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	6	3										1	2	1		2						4	2	
CROUP	13	12		1	1	3	5			10	3											6	7	
CARBUNCLE																								
CHOLERA MORBUS																								
CHOLERA INFANTUM	2	2		1		1				2													2	
CEREBRO-SPINAL MENINGITIS		2																						
CONGESTIVE FEVER																								
DIARRHŒA	10	8	4		2	2				8									2			4	6	
DYSENTERY	2	2										1						1				1	1	
DIPHTHERIA	63	59	1			11	8	5	7	32	20	8	3								27	36		
ERYSIPELAS	3	6	1							1					1		1				1	2		
INTERMITTENT FEVER																								
INFLUENZA	13										1				1	3	3	3	2			6	7	
MEASLES		5																						
PURPURA	1												1										1	
PUERPERAL FEVER.		2																						
PYŒMIA	2	1													1	1						2		
REMITTENT FEVER																								
RHEUMATISM		3																						
SCARLATINA	5				1	1	1			3		2										3	2	
SMALL POX																								
SYPHILIS (CONGENITAL)	2	3	1		1					2												2		
SYPHILIS		1																						
SEPTICŒMIA	1	1														1							1	
TONSILLITIS,																								
TYPHOID FEVER.	7	6										3	1	1	1	1						5	2	
TYPHUS FEVER																								
WHOOPING COUGH	5	4			1	4				5												2	3	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES	1											1											1	
II. CONSTITUTIONAL.																								
CANCER	34	33										1	1	3	7	9	7	5		1		10	24	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	17	13	1		5	2	3	2	1	14	2				1							8	9	
MAKASMUS, SCROFULA AND TABES MESENTERICA	21	20	8	4	1	2		1		16	1			1				1	1	1		10	11	
PHTHISIS PULMONALIS	213	132		1	4		1			6		13	63	61	41	12	9	4	4			98	115	
OTHER CONSTITUTIONAL DISEASES . .	25	10		1						1	1	1	6	5	7	2	2					15	10	

of January, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for January, 1890.	Total Mortality for January, 1889.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
APoplexy	25	27											1	6		11	3	4				13	12	
Bright's Disease	22	16										1	1	5	1	1	6	7				8	14	
BRONCHITIS	81	32	7	1	7	11		2	28	2	4	1	3	3	10	12	10	8				35	46	
HEART DISEASE	84	63	1		1		1		3	2	4	12	9	8	11	15	14	5	1			36	48	
MENINGITIS	17	23	4	2	3	2		1	12	3		1		1								11	6	
NEPHRITIS	18	15											1	3	1	3	4	6				7	11	
PLEURISY		3																						
PNEUMONIA	332	95	3	3	10	12	7	3	3	41	6	14	42	45	56	47	43	24	12	1	1	175	157	
OTHER LOCAL DISEASES	167	100	21		5	4	4	1	2	37	5	8	14	16	19	23	21	16	8			95	72	
IV. DEVELOPMENTAL.																								
CYANOSIS	2	1	1		1				2													1	1	
INANITION	6	10	5						5								1					4	2	
OLD AGE	28	22															1	9	16	2		7	21	
PREMATURE BIRTH	16	20	16						16													11	5	
PUERP'L DISEASES (not including Puerp'l Fever)	4	2											1	3									4	
OTHER DEVELOPMENTAL DISEASES	26	20	15		1	1		1	18						1	4	1	2				17	9	
V. VIOLENT.																								
ACCIDENTAL	29	29	3			1	1		5		3	5	6	4	3	2	1					20	9	
HOMICIDAL	1	1										1										1		
SUICIDAL	1	4										1											1	
OTHER VIOLENT CAUSES	1												1									1		
UNKNOWN CAUSES	3	2	1						1				1				1						3	
TOTAL FROM ALL CAUSES	1309	813	93	14	44	57	31	16	13	268	46	65	157	164	162	130	142	108	60	6	1	646	663	
TOTAL FROM ZYMOTIC DISEASES	136	120	7	2	6	22	14	5	7	63	24	15	6	3	6	5	6	6	2			63	73	
“ “ CONSTITUTIONAL DISEASES	310	208	9	6	10	4	4	3	1	37	4	15	70	70	56	23	18	10	5	2		141	169	
“ “ LOCAL do.	746	574	36	6	26	29	12	7	5	121	18	31	72	82	95	95	112	80	37	2	1	380	366	
“ “ DEVELOPMENTAL do.	82	75	37		2	1		1	41				1	3	1	4	3	11	16	2		40	42	
“ “ VIOLENT CAUSES	32	34	3			1	1		5		4	7	6	4	3	2	1					22	10	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of January, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING JANUARY, 1890.			CASES REPORTED DURING JANUARY, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	200	....	Diphtheria	179	....
Measles	14	....	Measles	172	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	98	....	Scarlatina	48	....
Typhoid Fever	37	....	Typhoid Fever	31	1
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of January, 1890, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.75	36	76	S.E.	.00	Mean Barometer, 30.170.
2	30.27	56	74	S.W.	.00	Highest Barometer, 30.894, on the 1st.
3	30.51	38	62	W.	.00	Lowest Barometer, 29.388, on the 8th.
4	30.55	30	52	S.W.	.00	Monthly Range of Barometer, 1.506.
5	30.10	34	96	S.	.12	Mean Temperature, 32.4.
6	29.74	46	84	N.W.	.01	Highest Temperature, 66, on the 2nd.
7	29.99	38	70	W.	.00	Lowest Temperature, 8 on the 11th.
8	29.61	34	73	W.	.00	Monthly Range of Temperature, 58.0.
9	29.91	19	72	W.	.00	Greatest Daily Range of Temperature, 34.0, on the 12th.
10	30.12	12	86	N.W.	.08	Least Daily Range of Temperature, 8.0, on the 24th.
11	30.28	19	92	N.W.	.26	Mean Daily Range of Temperature, 17.
12	30.16	41	88	S.E.	.04	Mean Daily Dew-point, 24.0.
13	29.84	48	72	S.	.02	Mean Daily Relative Humidity, 73.3.
14	30.62	32	46	N.W.	.00	Prevailing Direction of Wind, W.
15	30.24	32	83	S.W.	.32	Total Movement of Wind, 9,593 Miles.
16	29.73	45	76	S.W.	.38	Highest Velocity of Wind and Direction, 44 miles N.W. on the 22nd.
17	30.51	20	56	N.W.	.00	Number of Foggy Days, 0.
18	30.45	32	73	W.	.00	" Clear " 6.
19	30.32	32	80	W.	.00	" Fair " 10.
20	29.73	48	82	S.W.	.02	Number of Cloudy " 15.
21	29.92	33	72	W.	.00	Total Number of Days on which Rain or Snow fell, 13.
22	30.25	20	62	N.W.	T	Depth of unmelted Snow on ground at end of month, T.
23	30.30	17	70	W.	.05	Dates of Auroras, none observed.
24	30.15	23	72	N.W.	T	Dates of Solar Halos, none observed.
25	30.06	28	64	S.W.	.00	Dates of Lunar Halos, 26th, 29th.
26	29.85	42	56	N.E.	.00	Mean Max. Temp., 41.0. Mean Min. Temp., 23.8.
27	29.94	31	92	N.	.49	Thunder storm, none.
28	30.53	18	59	N.W.	.00	Dates of Frosts, none.
29	30.23	34	54	S.W.	.00	
30	30.31	32	90	N.	.20	
31	30.29	30	90	W.	.01	
TOTALS					2.00	
MEANS	30.170	32.4	73.3	W.	.065	

COMPARATIVE TEMPERATURE.			
1871	26	1881	22
1872	27	1882	26
1873	25	1883	25
1874	30	1884	24
1875	20	1885	27
1876	29	1886	26
1877	23	1887	26
1878	28	1888	20
1879	24	1889	35
1880	35	1890	32

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871	2.67	1881	7.21
1872	2.11	1882	3.68
1873	5.76	1883	3.59
1874	4.32	1884	6.27
1875	3.68	1885	5.33
1876	1.87	1886	7.08
1877	3.33	1887	4.86
1878	7.60	1888	2.26
1879	2.79	1889	4.11
1880	3.72	1890	2.00

Average daily temperature for 20 years, 26.2.

Average monthly precipitation for 20 years, 4.21.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of February, 1890.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of February, 1890,	742
Population estimated at 420,000.	Rate per 1,000 inhabitants, 21.2

<table border="0" style="width: 100%;"> <tr> <td>Total number</td> <td style="text-align: right;">742</td> </tr> <tr> <td colspan="2" style="text-align: center;">SEX.</td> </tr> <tr> <td>Males</td> <td style="text-align: right;">378</td> </tr> <tr> <td>Females</td> <td style="text-align: right;">364</td> </tr> <tr> <td colspan="2" style="text-align: center;">CONDITION.</td> </tr> <tr> <td>Married</td> <td style="text-align: right;">244</td> </tr> <tr> <td>Single</td> <td style="text-align: right;">382</td> </tr> <tr> <td>Widows</td> <td style="text-align: right;">84</td> </tr> <tr> <td>Widowers</td> <td style="text-align: right;">28</td> </tr> <tr> <td>Unknown</td> <td style="text-align: right;">4</td> </tr> <tr> <td colspan="2" style="text-align: center;">COLOR.</td> </tr> <tr> <td>White</td> <td style="text-align: right;">727</td> </tr> <tr> <td>Colored</td> <td style="text-align: right;">15</td> </tr> <tr> <td>Total deaths of children {</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Under 1 year</td> <td style="text-align: right;">139</td> </tr> <tr> <td style="padding-left: 20px;">Under 2 years</td> <td style="text-align: right;">176</td> </tr> <tr> <td style="padding-left: 20px;">Under 5 years</td> <td style="text-align: right;">224</td> </tr> <tr> <td>Diarrhœal diseases {</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Under 1 year</td> <td style="text-align: right;">4</td> </tr> <tr> <td style="padding-left: 20px;">Under 2 years</td> <td style="text-align: right;">4</td> </tr> <tr> <td style="padding-left: 20px;">Under 5 years</td> <td style="text-align: right;">4</td> </tr> <tr> <td style="padding-left: 20px;">All ages</td> <td style="text-align: right;">5</td> </tr> </table>	Total number	742	SEX.		Males	378	Females	364	CONDITION.		Married	244	Single	382	Widows	84	Widowers	28	Unknown	4	COLOR.		White	727	Colored	15	Total deaths of children {		Under 1 year	139	Under 2 years	176	Under 5 years	224	Diarrhœal diseases {		Under 1 year	4	Under 2 years	4	Under 5 years	4	All ages	5	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="text-align: center;">NATIVITY.</td> </tr> <tr> <td>United States</td> <td style="text-align: right;">478</td> </tr> <tr> <td>Ireland</td> <td style="text-align: right;">161</td> </tr> <tr> <td>England</td> <td style="text-align: right;">13</td> </tr> <tr> <td>Scotland</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Germany</td> <td style="text-align: right;">9</td> </tr> <tr> <td>British America</td> <td style="text-align: right;">50</td> </tr> <tr> <td>Italy</td> <td style="text-align: right;">10</td> </tr> <tr> <td>Other Countries</td> <td style="text-align: right;">10</td> </tr> <tr> <td>Unknown</td> <td style="text-align: right;">7</td> </tr> <tr> <td colspan="2" style="text-align: center;">PARENTAGE.</td> </tr> <tr> <td>United States</td> <td style="text-align: right;">189</td> </tr> <tr> <td>Irish</td> <td style="text-align: right;">281</td> </tr> <tr> <td>English</td> <td style="text-align: right;">10</td> </tr> <tr> <td>Scotch</td> <td style="text-align: right;">7</td> </tr> <tr> <td>German</td> <td style="text-align: right;">22</td> </tr> <tr> <td>British American</td> <td style="text-align: right;">36</td> </tr> <tr> <td>Italian</td> <td style="text-align: right;">18</td> </tr> <tr> <td>Other Countries</td> <td style="text-align: right;">45</td> </tr> <tr> <td>Mixed</td> <td style="text-align: right;">79</td> </tr> <tr> <td>Unknown</td> <td style="text-align: right;">55</td> </tr> <tr> <td>Still-births during the month</td> <td style="text-align: right;">40</td> </tr> </table>	NATIVITY.		United States	478	Ireland	161	England	13	Scotland	4	Germany	9	British America	50	Italy	10	Other Countries	10	Unknown	7	PARENTAGE.		United States	189	Irish	281	English	10	Scotch	7	German	22	British American	36	Italian	18	Other Countries	45	Mixed	79	Unknown	55	Still-births during the month	40
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Total Deaths with Principal Causes for the month

[illegible]

of February, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.		
	Total Mortality for February, 1890.	Total Mortality for February, 1889.																		Males.	Females.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.			90 years and under 100 yrs.	100 years and over.
III. LOCAL.																							
Apoplexy	28	19											1	1	4	3	4	12	3			17	11
Bright's Disease	9	23											1		2	1	4	1				6	3
Bronchitis	48	38	10	7	8	6	4			35		2		1	2	1	1	4	1	1		25	23
Heart Disease	65	56							1	1		2	2	6	9	23	9	10	3			34	31
Meningitis	21	15	2	3	5	4	1		1	16		2	1		2							11	10
Nephritis	7	4											2			1	1	2	1			4	3
Pleurisy		3																					
Pneumonia	85	78	6	4	3	4	4	2		23	3	2	7	6	15	15	11	3				43	42
OTHER LOCAL DISEASES	87	125	12	4	2	2	3			23	1	5	9	10	11	10	8	8	2			39	48
IV. DEVELOPMENTAL.																							
Cyanosis		1																					
Inanition	9	13	6			1	1			8		1										7	2
Old Age	21	28															2	8	11			7	14
Premature Birth	13	14	12	1						13												9	4
Puerp'l Diseases (not including Puerp'l Fever)	4	2											1	3									4
OTHER DEVELOPMENTAL DISEASES . .	21	15	11			1				12				1	1		6	1				13	8
V. VIOLENT.																							
Accidental	27	19	5		1				1	7	1	1	2	8	3	4			1			15	12
Homicidal		3																					
Suicidal	3	2												3								2	1
OTHER VIOLENT CAUSES	2														1				1			1	1
UNKNOWN CAUSES	3	1											2	1								3	
TOTAL FROM ALL CAUSES	742	750	81	27	31	37	25	15	8	224	22	28	88	81	77	79	60	55	28	2		378	364
TOTAL FROM ZYMOTIC DISEASES																							
" " Constitutional Diseases	183	185	10	3	8	11			1	33	1	9	54	30	20	17	11	4	3	1		85	98
" " LOCAL do.	350	261	30	18	18	16	12	2	2	98	4	13	23	24	45	54	38	40	10	1		179	171
" " DEVELOPMENTAL do.	68	73	29	1		2	1			33		1	1	4	1		8	9	11			36	32
" " VIOLENT CAUSES	32	24	5		1				1	7	1	1	2	11	4	4			2			18	14

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of February, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING FEBRUARY, 1890.			CASES REPORTED DURING FEBRUARY, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	189	....	Diphtheria	150	....
Measles	16	....	Measles	395	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	103	....	Scarlatina	29	....
Typhoid Fever	26	....	Typhoid Fever	29	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of February, 1890. as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.																																											
1	30.43	47	62	W.	.00	Mean Barometer, 30.10.																																											
2	30.56	36	77	E.	T	Highest Barometer, 30.70, on the 2nd.																																											
3	30.00	49	86	S.W.	.08	Lowest Barometer, 29.35, on the 5th.																																											
4	30.10	40	72	N.W.	.05	Monthly Range of Barometer, 1.34.																																											
5	30.52	64	66	S.W.	.05	Mean Temperature, 33.2.																																											
6	30.29	28	60	N.W.	.00	Highest Temperature, 64, on the 5th.																																											
7	30.63	23	71	S.E.	T	Lowest Temperature, 5 on the 22nd.																																											
8	29.78	63	93	S.	.47	Monthly Range of Temperature, 59.0.																																											
9	30.31	35	57	N.W.	.02	Greatest Daily Range of Temperature, 37.0, on the 8th.																																											
10	30.62	28	83	N.	.04	Least Daily Range of Temperature, 3.0, on the 28th.																																											
11	30.49	36	78	N.W.	T	Mean Daily Range of Temperature, 15.9.																																											
12	30.04	49	66	S.W.	.00	Mean Daily Dew-point, 24.5.																																											
13	30.13	52	58	W.	.00	Mean Daily Relative Humidity, 74.3.																																											
14	29.78	56	88	S.W.	.15	Prevailing Direction of Wind, W.																																											
15	29.65	51	61	W.	.03	Total Movement of Wind, 9,088 Miles.																																											
16	30.18	39	48	N.W.	.00	Highest Velocity of Wind and Direction, 48 miles W. on the 5th.																																											
17	30.11	41	67	E.	.00	Number of Foggy Days, 0.																																											
18	29.83	41	97	N.	.18	" Clear " 8.																																											
19	30.11	31	74	N.W.	T	" Fair " 6.																																											
20	29.67	37	82	W.	.69	Number of Cloudy " 14.																																											
21	29.94	18	48	W.	.00	Total Number of Days on which Rain or Snow fell, 14.																																											
22	30.07	20	42	W.	.00	Depth of unmelted Snow on ground at end of month, .00.																																											
23	30.08	42	65	W.	.00	Dates of Auroras, none observed.																																											
24	30.05	47	88	W.	.01	Dates of Solar Halos, none observed.																																											
25	30.02	44	96	E.	.40	Dates of Lunar Halos, 1st, 3rd, 6th.																																											
26	29.90	53	94	N.E.	.08	Mean Max. Temp., 41.2. Mean Min. Temp., 25.3.																																											
27	30.24	40	96	N.E.	T	Thunder storm, 18th.																																											
28	30.04	40	93	E.	.04	Dates of Frosts,																																											
COMPARATIVE TEMPERATURE.																																																	
<table><tr><td>1871</td><td>23.7</td><td>1881</td><td>27.7</td></tr><tr><td>1872</td><td>23.6</td><td>1882</td><td>30.4</td></tr><tr><td>1873</td><td>27.2</td><td>1883</td><td>29.2</td></tr><tr><td>1874</td><td>27.9</td><td>1884</td><td>31.0</td></tr><tr><td>1875</td><td>22.1</td><td>1885</td><td>20.5</td></tr><tr><td>1876</td><td>27.0</td><td>1886</td><td>26.6</td></tr><tr><td>1877</td><td>32.5</td><td>1887</td><td>28.8</td></tr><tr><td>1878</td><td>29.1</td><td>1888</td><td>28.4</td></tr><tr><td>1879</td><td>23.6</td><td>1889</td><td>25.4</td></tr><tr><td>1880</td><td>32.0</td><td>1890</td><td>33.2</td></tr></table>							1871	23.7	1881	27.7	1872	23.6	1882	30.4	1873	27.2	1883	29.2	1874	27.9	1884	31.0	1875	22.1	1885	20.5	1876	27.0	1886	26.6	1877	32.5	1887	28.8	1878	29.1	1888	28.4	1879	23.6	1889	25.4	1880	32.0	1890	33.2			
1871	23.7	1881	27.7																																														
1872	23.6	1882	30.4																																														
1873	27.2	1883	29.2																																														
1874	27.9	1884	31.0																																														
1875	22.1	1885	20.5																																														
1876	27.0	1886	26.6																																														
1877	32.5	1887	28.8																																														
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1879	23.6	1889	25.4																																														
1880	32.0	1890	33.2																																														
COMPARATIVE PRECIPITATIONS.																																																	
<table><tr><td>Inches.</td><td></td><td>Inches.</td></tr><tr><td>1871</td><td>2.87</td><td>1881</td><td>4.89</td></tr><tr><td>1872</td><td>2.31</td><td>1882</td><td>4.77</td></tr><tr><td>1873</td><td>3.21</td><td>1883</td><td>2.74</td></tr><tr><td>1874</td><td>3.41</td><td>1884</td><td>5.74</td></tr><tr><td>1875</td><td>3.74</td><td>1885</td><td>3.00</td></tr><tr><td>1876</td><td>4.54</td><td>1886</td><td>7.04</td></tr><tr><td>1877</td><td>0.45</td><td>1887</td><td>3.69</td></tr><tr><td>1878</td><td>4.40</td><td>1888</td><td>2.36</td></tr><tr><td>1879</td><td>4.35</td><td>1889</td><td>1.54</td></tr><tr><td>1880</td><td>4.11</td><td>1890</td><td>2.29</td></tr></table>							Inches.		Inches.	1871	2.87	1881	4.89	1872	2.31	1882	4.77	1873	3.21	1883	2.74	1874	3.41	1884	5.74	1875	3.74	1885	3.00	1876	4.54	1886	7.04	1877	0.45	1887	3.69	1878	4.40	1888	2.36	1879	4.35	1889	1.54	1880	4.11	1890	2.29
Inches.		Inches.																																															
1871	2.87	1881	4.89																																														
1872	2.31	1882	4.77																																														
1873	3.21	1883	2.74																																														
1874	3.41	1884	5.74																																														
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1878	4.40	1888	2.36																																														
1879	4.35	1889	1.54																																														
1880	4.11	1890	2.29																																														
TOTALS					2.29																																												
MEANS	30.099	41.2	74.3	W.	.081																																												

Average monthly temperature for 20 years, 28.0.

Average monthly precipitation for 20 years, 3.57.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of March, 1890.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of March, 1890, 860
Population estimated at 420,000. Rate per 1,000 inhabitants, 24.57

Total number	860	NATIVITY.	
SEX.		United States	566
Males	425	Ireland	180
Females	435	England	25
CONDITION.		Scotland	6
Married	272	Germany	13
Single	463	British America	40
Widows	88	Italy	6
Widowers	33	Other Countries	14
Unknown	4	Unknown	10
COLOR.		PARENTAGE.	
White	836	United States	212
Colored	24	Irish	307
Total deaths of children	Under 1 year	English	26
	Under 2 years	Scotch	8
	Under 5 years	German	21
Diarrhoeal diseases	Under 1 year	British American	45
	Under 2 years	Italian	20
	Under 5 years	Other Countries	72
	All ages	Mixed	65
		Unknown	84
		Still-births during the month	52

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	AGE.																SEX.							
	Total Mortality for March, 1880.	Total Mortality for March, 1889.	Under 2 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	2	6											1	1									2	
CROUP	8	14				3	3	1		7						1						2	6	
CARCUNCLE																								
CHOLERA MORBUS																								
CHOLERA INFANTUM	1	1				1				1												1		
CEREBRO-SPINAL MENINGITIS		3																						
CONGESTIVE FEVER																								
DIARRHŒA	11	7	6	1	1	1				9						1	1					5	6	
DYSENTERY	3	2		2						2						1						2	1	
DIPHTHERIA	41	40	1		1	8	6	5	6	27	10	4										16	25	
ERYSIPELAS	7	3	3							3			1	1		1	1					7		
INTERMITTENT FEVER																								
INFLUENZA	3										1						1	1				2	1	
MEASLES		9																						
PURPURA																								
PURPERAL FEVER	5	2											1	4									5	
PYŒMIA	1												1									1		
REMITTENT FEVER																								
RHEUMATISM	3	3														1	1	1				1	2	
SCARLATINA	6	7						1		1	1	4										4	2	
SMALL POX																								
SYPHILIS (CONGENITAL)	4	1	3	1						4												2	2	
SYPHILIS		1																						
SEPTICŒMIA	2	1											1			1							2	
TONSILLITIS		1																						
TYPHOID FEV	7	7											2	4			1					5	2	
TYPHUS FEVER																								
WHOOPING COUGH	6	4		4	1			1		6												2	4	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES																								
II. CONSTITUTIONAL.																								
CANCER	20	30											1	2	2	4	4	7				10	10	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	19	13	1		7	5		2		15	2			2								8	11	
MARASMUS, SCROFULA AND TABES MESENTERICA	33	24	20	6	3	3				32			1									20	13	
PHTHISIS PULMONALIS	133	138	1		2	2	2			7	1	7	37	37	20	13	11					62	71	
OTHER CONSTITUTIONAL DISEASES	11	7		2						2		1	1	4		3						7	4	

of March, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for March, 1890.	Total Mortality for March, 1889.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 yr.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	36	30	1						1			1	1	5	5	10	9	4				17	19	
Bright's Disease	11	9			1				1			1	1		1	3	2	2				5		
Bronchitis	51	56	4	13	3	5	2	4	31	3	1	1	1	3	1	5	3	1	1			22	29	
Heart Disease	67	61	1						1		3	5	13	6	14	12	9	4				27	40	
Meningitis	19	20	2	4	4	2	1	1	14			1		2	1	1						8	11	
Nephritis	12	15	2						2			1		1	4	1	2	1				7	5	
Pleurisy	1														1								1	
Pneumonia	111	126	2	3	10	11	3	1	1	31	1	4	12	15	11	15	5	12	4	1		62	49	
Other Local Diseases	128	126	16	5	5	4	2	1	1	34	6	13	10	16	11	11	10	14	3			64	64	
IV. DEVELOPMENTAL.																								
Cyanosis	4	3	4						4													2	2	
Inanition	9	5	7	1					8						1							5	4	
Old Age	19	18															7	10	1	1		10	9	
Premature Birth	12	13	12						12													6	6	
Puerp'l Diseases (not including Puerp'l Fever)	2	7											1	1									2	
Other Developmental Diseases	20	25	14	1	2				17			1				1	1					12	8	
V. VIOLENT.																								
Accidental	17	33	2		1	1			4		1	4	3	1	3			1				13	4	
Homicidal	1												1										1	
Suicidal	8	1										2	2		2	1	1					5	3	
Other Violent Causes	2												2										2	
Unknown Causes	4	2	1						1				2	1								1	3	
TOTAL FROM ALL CAUSES	860	874	103	43	40	46	20	17	8	277	25	33	86	113	65	84	69	63	30	3	1	425	435	
TOTAL FROM ZYMOTIC DISEASES	110	112	13	8	3	13	9	8	6	60	12	8	7	10	1	6	5	1				52	58	
“ “ CONSTITUTIONAL DISEASES	216	212	22	8	12	10	2	2		56	3	8	40	45	22	20	15	7				107	109	
“ “ LOCAL do.	436	443	28	25	23	22	8	7	2	115	10	21	32	47	39	53	47	51	19	2		212	224	
“ “ DEVELOPMENTAL do.	66	71	37	2	2					41			1	1	2		1	8	10	1	1	35	31	
“ “ VIOLENT CAUSES	28	34	2			1	1			4		1	6	8	1	5	1	1	1			18	10	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of March, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING MARCH, 1890.			CASES REPORTED DURING MARCH, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	154	....	Diphtheria	193	....
Measles	25	....	Measles	560	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	105	....	Scarlatina	77	....
Typhoid Fever	34	....	Typhoid Fever	25	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of March, 1890, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.80	42	92	N.W.	.35	Mean Barometer, 29.992.
2	29.81	22	87	N.W.	.12	Highest Barometer, 30.562, on the 25th.
3	30.05	22	61	N.W.	.86	Lowest Barometer, 29.426, on the 16th.
4	30.06	26	68	S.	.00	Monthly Range of Barometer, 0.00.
5	29.97	36	71	S.	T	Mean Temperature, 34.9.
6	29.93	24	86	N.	.40	Highest Temperature, 68, on the 12th.
7	30.09	14	54	N.W.	T	Lowest Temperature, 4, on the 7th.
8	30.14	22	56	N.W.	.00	Monthly Range of Temperature, 00.0.
9	30.30	26	38	N.W.	.00	Greatest Daily Range of Temperature, 29.0, on the 10th.
10	30.29	34	49	S.W.	.00	Least Daily Range of Temperature, 3.0, on the 15th.
11	30.13	41	76	S.W.	.04	Mean Daily Range of Temperature, 00.0.
12	29.09	54	62	S.W.	.01	Mean Daily Dew-point, 25.1.
13	30.00	58	86	S.W.	.00	Mean Daily Relative Humidity, 71.6.
14	29.84	40	89	N.E.	.50	Prevailing Direction of Wind, N.W.
15	29.62	34	93	N.	.64	Total Movement of Wind, 10,003 Miles.
16	29.34	34	67	N.W.	.02	Highest Velocity of Wind and Direction, 35 miles E. on the 28th.
17	29.38	29	61	W.	.00	Number of Foggy Days, 0.
18	29.53	40	54	W.	.00	" Clear " 10.
19	29.65	26	57	N.E.	.50	" Fair " 8.
20	29.90	34	73	S.W.	T	Number of Cloudy " 13.
21	29.56	47	88	S.W.	.01	Total Number of Days on which Rain or Snow fell, 17.
22	29.65	44	85	N.W.	.53	Depth of unmelted Snow on ground at end of month, .00.
23	29.71	37	79	N.W.	.69	Dates of Auroras,
24	30.29	34	62	N.W.	.00	Dates of Solar Halos, 4th, 8th, 20th.
25	30.24	32	73	S.	T	Dates of Lunar Halos, 5th.
26	29.55	50	69	W.	.33	Mean Max. Temp., 42.2.
27	29.73	42	100	W.	.00	Thunder storm,
28	29.53	34	77	N.E.	.80	Dates of Frosts,
29	29.44	35	78	W.	.04	
30	29.80	35	55	W.	.01	
31	30.18	36	57	W.	.00	
TOTALS					5.88	
MEANS	29.992	34.9	71.6	N.W.	.189	

COMPARATIVE TEMPERATURE.			
1871	41.5	1881	36.4
1872	26.8	1882	35.3
1873	35.0	1883	31.3
1874	35.1	1884	33.5
1875	21.3	1885	27.0
1876	32.9	1886	33.7
1877	34.4	1887	31.6
1878	39.4	1888	32.0
1879	33.4	1889	37.4
1880	32.8	1890	34.9

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	4.55	1881	9.86
1872	4.05	1882	3.35
1873	3.76	1883	2.33
1874	1.60	1884	4.86
1875	5.04	1885	1.75
1876	7.17	1886	3.20
1877	9.77	1887	1.82
1878	6.14	1888	3.32
1879	3.90	1889	1.10
1880	3.25	1890	5.88

Average daily temperature for 20 years, 33.8.

Average monthly precipitation for 20 years, 4.28.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of April, 1890.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of April, 1890, 785
Population estimated at 420,000. Rate per 1,000 inhabitants, 22.42

Total number 785

SEX.

Males 390

Females 395

CONDITION.

Married 230

Single 427

Widows 94

Widowers 26

Unknown 8

COLOR.

White 763

Colored 22

Total deaths of children { Under 1 year 142
Under 2 years 177
Under 5 years 233

Diarrhœal diseases { Under 1 year 5
Under 2 years 5
Under 5 years 5
All ages 9

NATIVITY.

United States 502

Ireland 171

England 26

Scotland 2

Germany 11

British America 49

Italy 3

Other Countries 13

Unknown 8

PARENTAGE.

United States 190

Irish 296

English 23

Scotch 8

German 25

British American 36

Italian 12

Other Countries 67

Mixed 57

Unknown 71

Still-births during the month 58

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for April, 1890.	Total Mortality for April, 1889.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	9	7											1	4	2	1	1					6	3	
CROUP	6	13					3	2	1	6											1	5		
CARUNCLE																								
CHOLERA MORBUS	1																1						1	
CHOLERA INFANTUM		1																						
CEREBRO-SPINAL MENINGITIS	2	2			1					1	1											1	1	
CONGESTIVE FEVER	1																1						1	
DIARRHŒA	7	7	3		2					5							1		1			4	3	
DYSENTERY	1	2													1								1	
DIPHTHERIA	40	54	1	3	5	7	4	7	27	9	2	2									26	14		
ERYSIPELAS	7	8	1						1			1		1	1	1	1	1			3	4		
INTERMITTENT FEVER																								
INFLUENZA	1																1				1			
MEASLES		10																						
PURPURA	2	1	1							1				1							2			
PUERPERAL FEVER.	4	2										1	2	1									4	
PYÆMIA	1													1							1			
REMITTENT FEVER																								
RHEUMATISM	3	7									1			1			1				1		2	
SCARLATINA	4	2		1					1	2	2										2		2	
SMALL POX																								
SYPHILIS (CONGENITAL)	4		3	1					4												2		2	
SYPHILIS		1																						
SEPTICÆMIA	1	4												1									1	
TONSILLITIS.																								
TYPHOID FEVER.	7	7			1				1		1	2	2		1						5		2	
TYPHUS FEVER																								
WHOOPING COUGH	2	10			1		1		2												1		1	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES		1																						
II. CONSTITUTIONAL.																								
CANCER	36	30											2	5	6	9	7	7			11		25	
HYDROCEPHALUS AND TUBERC. MENINGITIS	18	17		1	3	5	3	1	13	3	1	1								11		7		
MARASMUS, SCROFULA AND TABES MESENTERICA	21	31	8	5	3		2		18	1		2								10		11		
PHTHISIS PULMONALIS	114	134			1	1			2	1	12	41	26	17	6	6	3				61		53	
OTHER CONSTITUTIONAL DISEASES	12	14				1	1		2		1	5	1	2	1					3		9		

of April, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	AGE.																				SEX.		
	Total Mortality for April, 1890.	Total Mortality for April, 1889.																			Males.	Females.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 yrs.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.			100 years and over.
III. LOCAL.																							
Apoplexy	27	31												3	3	5	9	4	3			10	17
Bright's Disease	10	10													4	1	4		1			3	7
Bronchitis	41	61	5	4	7	8	1		25					1	1	1	4	7	1	1		15	26
Heart Disease	56	70	2	1		1		1	5	1		5	6	11	4	10	10	4				24	32
Meningitis	19	23	1	1	4	6	2	1	15	1	1	1	1									11	8
Nephritis	19	14					1		1	1		1	1	3	3	8	1					10	9
Pleurisy	3	2											1	1	1								3
Pneumonia	114	122	8	4	11	6	5	2	2	38	2	3	4	14	16	12	14	8	3			59	55
OTHER LOCAL DISEASES	106	136	12	5	4	2	3	2	2	30	5	2	11	9	14	7	14	11	3			51	55
IV. DEVELOPMENTAL.																							
Cyanosis		2																					
Inanition	10	4	10						10													9	1
Old Age	15	25															2	4	6	2	1	5	10
Premature Birth	11	20	11						11													8	3
Puerpl Diseases (not including Puerpl Fever)	1	4											1										1
OTHER DEVELOPMENTAL DISEASES . .	13	26	8		1				9						1	1	1	1				6	7
V. VIOLENT.																							
Accidental	24	26	2					1	3	3		2	7	4	2	1		2				19	5
Homicidal		1																					
Suicidal	9	4										2	2	2	3							7	2
OTHER VIOLENT CAUSES	1	1													1								1
UNKNOWN CAUSES.	2	1	1						1							1						1	1
TOTAL FROM ALL CAUSES	785	948	76	24	42	35	28	15	13	233	31	23	85	94	88	62	80	61	24	3	1	390	395
TOTAL FROM ZYMOTIC DISEASES																							
" " CONSTITUTIONAL DISEASES . . .	103	139	8	3	8	5	11	6	9	50	13	8	7	12	5	3	4	4	2			56	47
" " LOCAL do.	201	226	8	6	7	7	5	2		35	5	14	51	32	25	16	13	10				96	105
" " DEVELOPMENTAL do.	395	469	28	15	26	23	12	6	4	114	10	6	23	40	50	36	59	42	14	1		183	212
" " VIOLENT CAUSES	50	81	26		1					30				1	1	1	3	5	6	2	1	28	22
" "	34	32	2					1	3	3		4	9	7	5	1		2				26	8

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of April, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING APRIL, 1890.			CASES REPORTED DURING APRIL, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	164	....	Diphtheria	205	....
Measles	34	....	Measles	571	....
Small Pox . . . . .	....	7	Small Pox . . . . .	....	....
Scarlatina	122	....	Scarlatina	59	....
Typhoid Fever	26	....	Typhoid Fever	33	2
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....
Leprosy . . . . .	....	1			

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of April, 1890, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.25	37	66	N.W.	.04	Mean Barometer, 30.088.
2	30.40	38	43	W.	.00	Highest Barometer, 30.536, on the 2nd.
3	30.17	53	58	W.	.00	Lowest Barometer, 29.504, on the 4th.
4	29.66	57	85	S.W.	.00	Monthly Range of Barometer, Mean Temperature, 46.3.
5	29.93	38	60	N.W.	.12	Highest Temperature, 72, on the 24th.
6	30.17	45	45	W.	.00	Lowest Temperature, 26, on the 19th.
7	29.87	42	81	N.	.38	Monthly Range of Temperature, Greatest Daily Range of Temperature, 30.0, on the 6th.
8	29.97	46	80	W.	.10	Least Daily Range of Temperature, 3.0, on the 9th.
9	29.63	38	96	W.	.63	Mean Daily Range of Temperature, Mean Daily Dew-point, 32.1.
10	29.63	45	66	N.E.	.02	Mean Daily Relative Humidity, 63.3.
11	29.93	44	62	N.W.	.00	Prevailing Direction of Wind, N.W.
12	30.28	38	56	E.	.00	Total Movement of Wind, 8,887 Miles.
13	30.04	47	72	E.	.00	Highest Velocity of Wind and Direction, 40 miles N.W. on the 15th.
14	29.91	49	62	E.	.00	Number of Foggy Days, 0.
15	30.19	47	41	N.W.	.01	" Clear " 13.
16	30.21	47	36	N.W.	.00	" Fair " 10.
17	29.94	53	49	W.	.00	Number of Cloudy " 7.
18	29.88	43	42	N.W.	.00	Total Number of Days on which Rain or Snow fell, 12.
19	30.16	38	52	N.W.	.00	Depth of unmelted Snow on ground at end of month, .00.
20	30.20	43	43	E.	.00	Dates of Auroras, none.
21	30.14	53	45	W.	.00	Dates of Solar Halos, 8th and 21st.
22	30.25	50	52	N.E.	.00	Dates of Lunar Halos,
23	30.07	58	62	S.W.	.00	Mean Max. Temp., 54.3.
24	29.96	65	85	S.W.	.01	Mean Min. Temp., 38.3.
25	30.12	45	78	N.E.	.08	Thunder storm, none.
26	30.28	41	76	E.	T	Dates of Frosts,
27	29.94	42	96	N.E.	.85	
28	30.08	46	78	N.	.05	
29	30.07	52	63	S.	.00	
30	29.88	55	65	S.W.	.00	
TOTALS					2.29	
MEANS	30.03	46.3	63.3	N.W.	.076	

COMPARATIVE TEMPERATURE.			
1871	47.0	1881	42.8
1872	44.6	1882	43.0
1873	47.1	1883	44.3
1874	37.0	1884	42.7
1875	42.1	1885	46.3
1876	43.2	1886	47.7
1877	43.9	1887	43.7
1878	41.2	1888	42.2
1879	42.2	1889	47.7
1880	46.2	1890	46.3

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	3.79	1881	1.66
1872	1.31	1882	2.50
1873	3.83	1883	2.83
1874	7.99	1884	4.76
1875	4.92	1885	3.30
1876	3.61	1886	1.70
1877	4.19	1887	2.68
1878	6.14	1888	2.04
1879	6.54	1889	3.07
1880	2.80	1890	2.29

Average daily temperature for 20 years, 44.5.

Average monthly precipitation for 20 years, 3.60.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of May, 1890.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

Deaths during the month of May, 1890, 790
Population estimated at 420,000. Rate per 1,000 inhabitants, 22.57

Total number 790

SEX.

Males 394

Females 396

CONDITION.

Married 238

Single 431

Widows 84

Widowers 29

Unknown 8

COLOR.

White 776

Colored 14

Total deaths of children { Under 1 year 139
Under 2 years 183
Under 5 years 232

Diarrhoeal diseases { Under 1 year 5
Under 2 years 5
Under 5 years 6
All ages 6

NATIVITY.

United States 523

Ireland 153

England 14

Scotland 5

Germany 12

British America 43

Italy 9

Other Countries 20

Unknown 11

PARENTAGE.

United States 185

Irish 278

English 13

Scotch 5

German 17

British American 43

Italian 14

Other Countries 75

Mixed 78

Unknown 82

Still-births during the month 49

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for		AGE.																			SEX.		
	May, 1890.	for May, 1889.	Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	5	2													3	1							2	3
CROUP	5	9				2		1	1	4	1												2	3
CARRUNCLE																								
CHOLERA MORBUS	1	1					1				1												1	
CHOLERA INFANTUM	1	3			1						1												1	
CEREBRO-SPINAL MENINGITIS		2																						
CONGESTIVE FEVER																								
DIARRHOEA	4	10	1		3					4													2	2
DYSENTERY		4																						
DIPHTHERIA	36	50			2	3	8	7	5	25	7	3	1										20	13
ERYSIPELAS	5	3		1						1					2	1	1						4	1
INTERMITTENT FEVER																								
INFLUENZA	1														1								1	
MEASLES	1	7				1				1													1	
PURPURA																								
PURPERAL FEVER	1	1											1											1
PYEMIA	2															1	1						2	
REMITTENT FEVER																								
RHEUMATISM	1	1										1												1
SCARLATINA	7	4				1	2		1	4	3												4	3
SMALL POX																								
SYPHILIS (CONGENITAL)	2	1	2							2													2	
SYPHILIS		1																						
SEPTICEMIA	4	4	1							1			1		1	1							3	1
TONSILLITIS	1				1					1													1	
TYPHOID FEVER	7	9				1				1			5		1								5	2
TYPHUS FEVER																								
WHOOPING COUGH	2	7		1	1					2														2
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES	1					1				1														1
II. CONSTITUTIONAL.																								
CANCER	33	27													5	4	4	11	8	1			12	21
HYDROCEPHALUS AND TUBERC. MENINGITIS	19	27	1		2	6	3	2		14	2	2		1									10	9
MARASMUS, SCROFULA AND TABES MESENTERICA	23	18	19	1	1	2			1	24							1						11	14
PHTHISIS PULMONALIS	121	93		1						1	2	15	38	23	26	7	7	2					60	61
OTHER CONSTITUTIONAL DISEASES	13	14									1	5	3	1	1		1		1				5	8

of May, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for May, 1890.	Total Mortality for May, 1889.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 yrs.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	35	22		1					1		1	1	1	3	8	8	11	1				19	16	
Bright's Disease	10	11									1			3	2	3	1					4		
Bronchitis	31	40	3	2	3	6	1		1	16			2	5	1	1	3	1	1	1		16	15	
Heart Disease	56	77	1						1	4	4	2	8	6	10	10	6	5				32	24	
Meningitis	16	25	1	1	3	5	1		1	12	1	1			1		1					9	7	
Nephritis	11	8									1			2	2	2	4					4	7	
Pleurisy		2																						
Pneumonia	87	101	8	5	7	8	2			30	2	2	4	7	10	10	11	8	3			36	51	
OTHER LOCAL DISEASES	143	150	15	5	6	4	5	1	1	37	2	11	14	12	16	14	21	10	5	1		72	71	
IV. DEVELOPMENTAL.																								
Cyanosis	1	3	1							1													1	
Inanition	6	4	4	1						5				1								1	5	
Old Age	25	30															1	13	7	3	1	10	15	
Premature Birth	17	12	17							17												9	8	
Puer'l Diseases (not including Puer'l Fever)	3	1											1	2									3	
OTHER DEVELOPMENTAL DISEASES . .	16	11	8	1	1	2				12				1				1	2			9	7	
V. VIOLENT.																								
Accidental	28	33	3	1		2	2			8	1	1	3	5	6	3	1					21	7	
Homicidal																								
Suicidal	1	5															1					1		
OTHER VIOLENT CAUSES																								
UNKNOWN CAUSES	6	5	2	1		1				4		1		1								2	4	
TOTAL FROM ALL CAUSES	790	838	87	22	30	44	27	11	11	232	27	48	76	77	86	65	83	63	27	5	1	394	395	
TOTAL FROM ZYMOTIC DISEASES	87	119	4	2	7	8	13	8	7	49	11	4	8	3	7	3	1		1			51	36	
“ “ CONSTITUTIONAL DISEASES	211	179	20	2	3	8	3	2	1	39	5	22	41	30	31	11	20	10	2			98	113	
“ “ LOCAL do.	339	436	28	14	19	23	9	1	3	97	10	20	23	35	41	48	60	38	15	2		192	197	
“ “ DEVELOPMENTAL do.	68	61	30	2	1	2				35			1	3	1		1	14	9	3	1	29	39	
“ “ VIOLENT CAUSES	29	38	3	1		2	2			8	1	1	3	5	6	3	1	1				22	7	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of May, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING MAY, 1890.			CASES REPORTED DURING MAY, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	141	....	Diphtheria	191	....
Measles	92	....	Measles	434	....
Small Pox	1	....	Small Pox . . . . .	....	....
Scarlatina	118	1	Scarlatina	53	....
Typhoid Fever	34	....	Typhoid Fever	60	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of May, 1890, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.84	66	82	S.W.	.05	Mean Barometer, 29.984.
2	30.20	44	54	E.	.11	Highest Barometer, 30.345, on the 22nd.
3	30.11	52	73	S.W.	.00	Lowest Barometer, 29.62, on the 6th.
4	29.94	61	86	S.	.20	Monthly Range of Barometer, —
5	29.71	62	90	S.	.62	Mean Temperature, 57.6.
6	29.66	61	91	S.	.85	Highest Temperature, 80, on the 14th.
7	30.00	55	56	W.	.04	Lowest Temperature, 39, on the 2nd.
8	30.01	48	77	W.	.25	Monthly Range of Temperature, —
9	30.08	54	50	S.W.	.05	Greatest Daily Range of Temperature, 28.0, on the 31st.
10	29.88	66	70	S.W.	T	Least Daily Range of Temperature, 5.0, on the 8th.
11	30.13	51	76	N.E.	.23	Mean Daily Range of Temperature, —
12	30.10	50	74	S.	.00	Mean Daily Dew-point, 47.4.
13	29.88	58	75	S.	.00	Mean Daily Relative Humidity, 74.0.
14	29.70	66	80	S.W.	.00	Prevailing Direction of Wind, S.
15	29.87	63	90	S.W.	.01	Total Movement of Wind, 8,643 Miles.
16	29.94	64	80	S.W.	.65	Highest Velocity of Wind and Direction, 42 miles S. on the 20th.
17	29.94	57	75	E.	T	Number of Foggy Days, 0.
18	30.12	55	52	S.	T	“ Clear “ 9.
19	29.98	64	66	S.	T	“ Fair “ 11.
20	29.75	64	89	S.	T	Number of Cloudy “ 11.
21	30.21	54	55	N.W.	.28	Total Number of Days on which Rain or Snow fell, 15.
22	30.02	53	65	N.E.	.00	Depth of unmelted Snow on ground at end of month, .00.
23	30.14	49	73	E.	.00	Dates of Auroras, none.
24	30.98	55	76	E.	.00	Dates of Solar Halos, none.
25	30.27	52	90	S.	.00	Dates of Lunar Halos, none.
26	20.20	54	78	S.	.00	Mean Max. Temp., 65.2.
27	29.86	58	97	S.	1.62	Mean Min. Temp., 48.9.
28	29.61	61	69	N.W.	.11	Thunder storm, 5th.
29	29.09	55	67	N.	.00	Dates of Frosts, —
30	29.91	56	69	E.	.00	
31	29.79	63	43	N.W.	.00	
TOTALS					4.48	
MEANS	29.984	57.0	74.0	S.	.144	

COMPARATIVE TEMPERATURE.			
1871	57.9	1881	54.9
1872	58.3	1882	49.2
1873	56.6	1883	55.5
1874	56.0	1884	53.8
1875	57.8	1885	52.3
1876	54.5	1886	56.2
1877	55.2	1887	59.3
1878	55.7	1888	52.6
1879	59.9	1889	60.5
1880	62.6	1890	57.0

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	4.54	1881	4.16
1872	3.29	1882	6.05
1873	5.16	1883	5.11
1874	3.70	1884	3.31
1875	3.76	1885	4.26
1876	2.70	1886	3.08
1877	3.38	1887	1.67
1878	1.03	1888	5.20
1879	0.97	1889	4.15
1880	1.67	1890	4.48

Average daily temperature for 20 years, 56.3.

Average monthly precipitation for 20 years, 3.58.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of June, 1890.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of June, 1890,	669
Population estimated at 420,000.	Rate per 1,000 inhabitants, 19.11

Total number 669

SEX.

Males 340

Females 329

CONDITION.

Married 209

Single 355

Widows 66

Widowers 36

Unknown 3

COLOR.

White 652

Colored 17

Total deaths of children	{	Under 1 year	119
		Under 2 years	153
		Under 5 years	199

Diarrhoeal diseases	{	Under 1 year	5
		Under 2 years	6
		Under 5 years	6
		All ages	12

NATIVITY.

United States 444

Ireland 120

England 13

Scotland 2

Germany 13

British America 41

Italy 8

Other Countries 17

Unknown 11

PARENTAGE.

United States 177

Irish 237

English 15

Scotch 6

German 19

British American 31

Italian 21

Other Countries 54

Mixed 50

Unknown 59

Still-births during the month 42

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for June, 1890.	Total Mortality for June, 1889.	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	2	6											1		1							2		
CROUP	6	6			1	1	1	1	1	5		1										3	3	
CARBUNCLE																								
CHOLERA MORBUS	1																		1				1	
CHOLERA INFANTUM	5	28		2	3					5												3	2	
CEREBRO-SPINAL MENINGITIS	2	1											1		1							1	1	
CONGESTIVE FEVER																								
DIARRHŒA	5	14				1				1				1	1		1		1			3	2	
DYSENTERY	1	3											1										1	
DIPHTHERIA	29	57			1	5	6	7	9	28	1											15	14	
ERYSIPELAS	1				1					1													1	
INTERMITTENT FEVER																								
INFLUENZA																								
MEASLES	8	3		1	2	4	1			8												7	1	
PURPURA																								
PUERPERAL FEVER	2												2										2	
PYÆMIA		2																						
REMITTENT FEVER																								
RHEUMATISM	3	7											1			1	1					1	2	
SCARLATINA	2										2												2	
SMALL POX																								
SYPHILIS (CONGENITAL)	1	2			1					1												1		
SYPHILIS																								
SEPTICÆMIA	1	1											1										1	
TONSILLITIS																								
TYPHOID FEVER	8	12										1	3	2	2							7	1	
TYPHUS FEVER																								
WHOOPING COUGH	5	13	1	3	1					5												2	3	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES																								
II. CONSTITUTIONAL.																								
CANCER	31	19											1	1	7	8	9	2	2	1		6	25	
HYDROCEPHALUS AND TUBERC. MENINGITIS	22	15	2	3	4	6	3		1	19	1	1			1							11	11	
MARASMUS, SCROFULA AND TABES MESENTERICA	18	32	10	3	2	1				16				1			1					9	9	
PHTHISIS PULMONALIS	107	108									2	15	34	25	16	10	4	1				44	63	
OTHER CONSTITUTIONAL DISEASES	13	13				1			1	1	4			4	2	1						7	6	

of June, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for June, 1890.	Total Mortality for June, 1889.	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																								
Apoplexy	19	21											1	3	4	4	5	2				11	8	
Bright's Disease	11	10											3	2	4		2					9		
Bronchitis	22	20	1		2	4	1	1		9			2	2	3		1	2	2	1		11	11	
Heart Disease	56	49			1					1	1	3	6	1	10	11	14	7	2			32	24	
Meningitis	17	18	2	3	3	1	3		1	13	2	1					1					5	12	
Nephritis	8	16									1	1	1	2		2	1					6	2	
Pleurisy																								
Pneumonia	38	42	2		4	5	2	1	1	15		1	3	2	4	10	2	1				21	17	
Other Local Diseases	110	130	8	3	5	5	2		1	24	2	3	9	7	19	16	10	13	7			49	61	
IV. DEVELOPMENTAL.																								
Cyanosis	2	2	2							2												1	1	
Inanition	9	9	6		2					8							1					5	4	
Old Age	18	20															2	6	8	2		9	9	
Premature Birth	14	14	13		1					14												10	4	
Puerp'l Diseases (not including Puerp'l Fever)	3	2											2		1								3	
Other Developmental Diseases . .	16	18	10	1	2					13						1	1	1				10	6	
V. VIOLENT.																								
Accidental	38	37	1	1		1			2	5	2	2	11	2	6	7	2	1				29	9	
Homicidal	1	1													1							1		
Suicidal	6	1										1	1	2		1	1					5	1	
Other Violent Causes	1														1								1	
Unknown Causes	7	4	5							5					1	1						4	3	
TOTAL FROM ALL CAUSES	669	756	63	20	36	34	20	10	16	199	15	34	80	56	82	77	55	42	25	4		340	329	
TOTAL FROM ZYMOTIC DISEASES	82	155	1	6	10	11	8	8	10	54	3	2	10	3	5	1	2		2			45	37	
“ “ CONSTITUTIONAL DISEASES	191	187	12	6	6	7	4		1	36	4	20	35	31	26	19	14	3	2	1		77	114	
“ “ LOCAL do.	281	306	13	6	15	15	8	2	3	62	6	9	21	18	41	47	32	31	13	1		144	137	
“ “ DEVELOPMENTAL do.	62	65	31	1	5					37			2		1	1	4	7	8	2		35	27	
“ “ VIOLENT CAUSES	46	39	1	1		1			2	5	2	3	12	4	8	8	3	1				35	11	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of June, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING JUNE, 1890.			CASES REPORTED DURING JUNE, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	110	....	Diphtheria	165	....
Measles	246	....	Measles	187	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	76	....	Scarlatina	30	....
Typhoid Fever	39	....	Typhoid Fever	26	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of June, 1890, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.87	66	43	N.W.	.00	Mean Barometer, 29.983.
2	29.96	66	33	N.W.	.00	Highest Barometer, 30.308, on the 16th.
3	30.13	62	45	N.W.	.00	Lowest Barometer, 29.712, on the 25th.
4	30.10	59	87	N.	.26	Monthly Range of Barometer, —
5	30.05	54	92	N.	T	Mean Temperature, 64.2.
6	29.98	54	89	E.	.14	Highest Temperature, 87.0, on the 18th.
7	29.83	66	75	W.	.33	Lowest Temperature, 50.0, on the 13th.
8	30.20	62	40	N.W.	.00	Monthly Range of Temperature, —
9	30.16	68	36	W.	.00	Greatest Daily Range of Temperature, 28.0, on the 7th.
10	30.16	65	55	W.	.00	Least Daily Range of Temperature, 2.0, on the 6th.
11	29.89	75	76	S.W.	.20	Mean Daily Range of Temperature, —
12	29.99	54	97	N.E.	.13	Mean Daily Dew-point, 52.2.
13	29.94	52	98	N.	.99	Mean Daily Relative Humidity, 69.7.
14	29.96	56	87	E.	.03	Prevailing Direction of Wind, N.W.
15	30.15	58	86	E.	.00	Total Movement of Wind, 7,759 Miles.
16	30.26	64	81	S.W.	.00	Highest Velocity of Wind and Direction, 30 miles N.W. on the 2nd.
17	29.97	68	80	S.W.	.00	Number of Foggy Days, 0.
18	29.78	76	58	W.	.00	" Clear " 8.
19	29.83	70	61	N.W.	.00	" Fair " 13.
20	30.16	62	65	N.E.	.00	Number of Cloudy " 9.
21	30.06	64	65	S.W.	.00	Total Number of Days on which Rain or Snow fell, 8.
22	29.98	60	82	E.	.00	Depth of unmelted Snow on ground at end of month, .00.
23	30.08	58	77	E.	.00	Dates of Auroras,
24	29.96	71	85	S.W.	.00	Dates of Solar Halos, 2nd, 3rd, 18th, 21st.
25	29.75	76	66	N.W.	.13	Dates of Lunar Halos, none.
26	29.72	73	59	N.W.	.00	Mean Max. Temp., Mean Min. Temp.,
27	29.81	66	66	N.W.	T	Thunder storm, 6th, 11th, 25th.
28	29.79	67	68	E.	.00	Dates of Frosts,
29	29.49	64	81	E.	.00	
30	29.96	72	55	W.	.00	
TOTALS					2.21	
MEANS	29.983	64.2	69.7	N.W.	0.73	

COMPARATIVE TEMPERATURE.			
1871	65.9	1881	60.6
1872	68.2	1882	65.9
1873	67.8	1883	69.0
1874	66.1	1884	66.0
1875	66.7	1885	66.4
1876	68.1	1886	63.1
1877	68.8	1887	64.5
1878	64.1	1888	66.8
1879	64.1	1889	67.7
1880	67.3	1890	64.2

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871	5.47	1881	7.79
1872	4.87	1882	1.03
1873	0.84	1883	2.07
1874	3.94	1884	4.01
1875	7.25	1885	3.70
1876	11.72	1886	1.34
1877	3.21	1887	1.98
1878	2.28	1888	2.69
1879	6.24	1889	2.77
1880	0.75	1890	2.21

Average monthly temperature for 20 years, 66.0.

Average monthly precipitation for 20 years, 3.29.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of July, 1890.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

Deaths during the month of July, 1890,	942
Population estimated at 437,245.	Rate per 1,000 inhabitants, 25.85

Total number 942

SEX.

Males 496

Females 446

CONDITION.

Married 211

Single 633

Widows 63

Widowers 26

Unknown 9

COLOR.

White 923

Colored 19

Total deaths of children	{ Under 1 year	333
	{ Under 2 years	408
	{ Under 5 years	453

Diarrhoeal diseases	{ Under 1 year	153
	{ Under 2 years	186
	{ Under 5 years	190
	{ All ages	199

NATIVITY.

United States 680

Ireland 150

England 19

Scotland 8

Germany 12

British America 36

Italy 5

Other Countries 15

Unknown 17

PARENTAGE.

United States 198

Irish 335

English 20

Scotch 10

German 25

British American 72

Italian 24

Other Countries 86

Mixed 85

Unknown 87

Still-births during the month 51

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	AGE.																	SEX.						
	Total Mortality for July, 1890.	Total Mortality for July, 1889.	Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	9	5											2	3	3	1							5	4
CROUP	1	4							1	1												1		
CARUNCLE	3	1															2		1			2		
CHOLERA MORBUS	7	8			1					1					2		2	1		1		3	4	
CHOLERA INFANTUM	179	200	20	55	70	31	2	1		179												104	75	
CEREBRO-SPINAL MENINGITIS	3	2			1	1				2	1											2	1	
CONGESTIVE FEVER																								
DIARRHŒA	9	41	2	3	2	1				8						1						7	2	
DYSENTERY	4	11				1		1		2				1			1						4	
DIPHTHERIA	28	32			2	4	3	7	3	19	9											13	15	
ERYSIPELAS	2	1		1						1							1					1	1	
INTERMITTENT FEVER																								
INFLUENZA																								
MEASLES	2	2				2				2													2	
PURPURA																								
PUERPERAL FEVER		1																						
PYŒMIA	3													1			1		1			2	1	
REMITTENT FEVER																								
RHEUMATISM		1																						
SCARLATINA	1	1				1				1													1	
SMALL POX																								
SYPHILIS (CONGENITAL)	4	1	2		2					4												2	2	
SYPHILIS		1																						
SEPTICŒMIA																								
TONSILLITIS																								
TYPHOID FEVER	9	17	1			1				2		2		4		1						5	4	
TYPHUS FEVER																								
WHOOPING COUGH	7	14	3	2	1					6	1											2	5	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES																								
II. CONSTITUTIONAL.																								
CANCER	24	19										1	1	4	11	5	2					9	15	
HYDROCEPHALUS AND TUBERC. MENINGITIS	18	20	2	5	1	4	3		1	16	1	1										8	10	
MARASMUS, SCROFULA AND TABES MESENTERICA	35	70	14	6	7			1		28					2	2	2	1				19	16	
PHTHISIS PULMONALIS	113	113	1	2		2			1	6	3	9	39	23	22	6	3	1	1			56	57	
OTHER CONSTITUTIONAL DISEASES	9	13			1					1			4	1	1	1	1					6	3	

of July, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for July, 1890.	Total Mortality for July, 1888.	AGE.																			SEX.	
			Under 3 mos. 3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
III. LOCAL.																							
APOPLEXY	28	18										2		6	5	4	8	3			9	19	
BRIGHT'S DISEASE.	14	8					1			1	1	1	2		1		4	2	2		9	6	
BRONCHITIS	21	24	1	2	4	1	2			10	2		2			1	2	4			9	12	
HEART DISEASE	58	70			1			1		2	1	2	4	6	10	9	15	5	3	1	27	31	
MENINGITIS	28	23	3	4	5	5		1		18	3	2	2	1	1		1				14	14	
NEPHRITIS	17	9				2			1	3			1	4	4	4		1			8	9	
PLEURISY																							
PNEUMONIA	41	36	3	3		4	7	1	1	19		2	5	2	7	5		1			24	17	
OTHER LOCAL DISEASES	143	165	20	9	13	13	2	1		58	3	7	7	15	11	15	13	10	4		80	63	
IV. DEVELOPMENTAL.																							
CYANOSIS	1		1							1												1	
INANITION	12	8	9	2	1					12											6	6	
OLD AGE	14	25															3	4	5	2	6	8	
PREMATURE BIRTH	13	11	13							13											7	6	
PUERP'L DISEASES (not including Puerp'l Fever)	4	1											2	1	1							4	
OTHER DEVELOPMENTAL DISEASES . .	32	20	21	3	1	2				27						2	1		1	1	17	15	
V. VIOLENT.																							
ACCIDENTAL	34	39	2	1				1	2	6	2	6	3	10	2	2	3				27	7	
HOMICIDAL	1	2													1						1		
SUICIDAL		4																					
OTHER VIOLENT CAUSES	2	1												1	1						1	1	
UNKNOWN CAUSES.	9	2	4							4		1		2	1				1		4	5	
TOTAL FROM ALL CAUSES	942	1044	122	98	113	75	20	15	10	453	27	33	76	76	80	65	63	41	22	6	496	446	
TOTAL FROM ZYMOTIC DISEASES	271	343	28	61	70	42	5	9	4	228	11	2	2	9	5	3	7	1	2	1	110	122	
“ “ CONSTITUTIONAL DISEASES	199	235	17	13	9	6	3	1	2	51	4	10	44	25	27	20	11	5	2		98	101	
“ “ LOCAL do.	350	353	27	18	23	25	12	4	2	111	10	14	25	28	40	39	39	31	12	1	180	170	
“ “ DEVELOPMENTAL do.	76	65	44	5	2	2				53			2	1	3	1	3	4	6	3	36	40	
“ “ VIOLENT CAUSES	37	46	2	1				1	2	6	2	6	3	11	4	2	3				29	8	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of July, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING JULY, 1890.			CASES REPORTED DURING JULY, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	73	....	Diphtheria	93	....
Measles	216	....	Measles	50	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	72	....	Scarlatina	15	....
Typhoid Fever	48	....	Typhoid Fever	97	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of July, 1890. as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.98	70	75	E.	.00	Mean Barometer, 30.023.
2	29.96	70	85	S.	.00	Highest Barometer, 30.258, on the 22nd.
3	29.82	72	80	S.	.03	Lowest Barometer, 29.661, on the 9th.
4	29.79	74	81	S.	.05	Monthly Range of Barometer, —
5	29.96	76	55	S.W.	T	Mean Temperature, 71.0.
6	30.06	68	60	N.W.	.00	Highest Temperature, 95.0, on the 31st.
7	30.04	72	68	S.W.	.00	Lowest Temperature, 52.0, on the 21st.
8	29.80	80	71	S.W.	.00	Monthly Range of Temperature, —
9	29.76	74	44	W.	.00	Greatest Daily Range of Temperature, 27.0, on the 15th.
10	30.06	62	52	N.W.	.00	Least Daily Range of Temperature, 6.0, on the 29th.
11	30.21	61	70	E.	.00	Mean Daily Range of Temperature, —
12	30.14	64	54	N.E.	.00	Mean Daily Dew-point, 58.2.
13	30.10	66	67	S.	.00	Mean Daily Relative Humidity, 67.0.
14	30.08	67	79	S.W.	.00	Prevailing Direction of Wind, S.W.
15	29.99	78	76	S.W.	.00	Total Movement of Wind, 7,567 Miles.
16	30.02	82	46	W.	.00	Highest Velocity of Wind and Direction, 35 miles W. on the 19th.
17	29.87	76	47	W.	.00	Number of Foggy Days, 0.
18	29.90	72	45	N.W.	.07	" Clear " 8.
19	29.93	65	63	S.W.	.00	" Fair " 13.
20	30.11	61	61	N.W.	.08	Number of Cloudy " 10.
21	30.24	60	54	N.W.	.00	Total Number of Days on which Rain or Snow fell, 9.
22	30.24	64	58	S.W.	.00	Depth of unmelted Snow on ground at end of month, .00.
23	30.23	68	55	S.W.	.00	Dates of Auroras,
24	30.20	64	86	S.E.	.00	Dates of Solar Halos, 24th.
25	30.03	72	94	S.W.	.48	Dates of Lunar Halos,
26	29.92	75	90	S.W.	1.01	Mean Max. Temp., 72.1.
27	30.05	78	64	W.	.00	Mean Min. Temp., 56.3.
28	30.19	74	70	W.	.00	Thunder storm, 31st.
29	30.18	70	81	S.W.	.07	Dates of Frosts,
30	30.02	81	73	S.W.	.00	
31	29.87	86	74	S.W.	.13	
TOTALS					1.92	
MEANS	30.023	71.0	67.0	S.W.	.061	

COMPARATIVE TEMPERATURE.

1871	71	1881	68
1872	75	1882	72
1873	73	1883	71
1874	73	1884	64
1875	71	1885	71
1876	74	1886	71
1877	70	1887	73
1878	73	1888	68
1879	70	1889	69
1880	70	1890	71

COMPARATIVE PRECIPITATIONS.

	Inches.		Inches.
1871	3.24	1881	2.96
1872	4.00	1882	3.91
1873	3.84	1883	2.73
1874	3.47	1884	4.25
1875	3.93	1885	1.44
1876	5.86	1886	1.81
1877	2.27	1887	3.59
1878	4.58	1888	1.79
1879	3.09	1889	5.80
1880	6.86	1890	1.92

Average monthly temperature for 20 years, 70.9.

Average monthly precipitation for 20 years, 3.57.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of August, 1890.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of August, 1890,	1,007
Population by National Census, 446,507.	Rate per 1,000 inhabitants, 27.06

Total number 1,007		NATIVITY.	
SEX.		United States 728	
Males 500		Ireland 158	
Females 507		England 14	
CONDITION.		Scotland 11	
Married 222		Germany 14	
Single 686		British America 47	
Widows 67		Italy 3	
Widowers 27		Other Countries 21	
Unknown 5		Unknown 11	
COLOR.		PARENTAGE.	
White 980		United States 252	
Colored 27		Irish 334	
Total deaths of children { Under 1 year 400		English 14	
Under 2 years 468		Scotch 13	
Under 5 years 501		German 34	
Diarrhœal diseases { Under 1 year 188		British American 60	
Under 2 years 219		Italian 14	
Under 5 years 223		Other Countries 103	
All ages 241		Mixed 89	
		Unknown 94	
		Still-births during the month 49	

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.			AGE.																				SEX.		
I. ZYMOTICS.			Total Mortality for August, 1890.	Total Mortality for August, 1889.	Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
ALCOHOLISM	5	4													1	1		2		1				3	2
CROUP	1	2								1	1													1	
CARBUNCLE																									
CHOLERA MORBUS	10	10			1						1				1	3		2		1	2			4	6
CHOLERA INFANTUM	206	124	47	45	61	28	3	1			205	1												117	89
CEREBRO-SPINAL MENINGITIS	3	3			1	1					2		1											1	2
CONGESTIVE FEVER																									
DIARRHŒA	19	20	7	4	2	3						16							1	2				8	11
DYSENTERY	6	25	1									1	1					1	1		2			3	3
DIPHTHERIA	27	36			2	4	2	3	2		13	10	1	1			1		1					12	15
ERYSIPELAS	1																		1						1
INTERMITTENT FEVER																									
INFLUENZA																									
MEASLES	3	2				3					3													1	2
PURPURA																									
PUERPERAL FEVER.	1	1													1										1
PYŒMIA		1																							
REMITTENT FEVER																									
RHEUMATISM		1																							
SCARLATINA	2	1				1		1		2															2
SMALL POX																									
SYPHILIS (CONGENITAL)	5	1	3	1	1						5													3	2
SYPHILIS																									
SEPTICŒMIA		1																							
TONSILLITIS.																									
TYPHOID FEVER.	20	35												3	7	6	2	1	1					15	5
TYPHUS FEVER																									
WHOOPING COUGH	2	15	1		1						2													2	
YELLOW FEVER.																									
OTHER ZYMOTIC DISEASES																									
II. CONSTITUTIONAL.																									
CANCER	28	32														5	3	7	10	3				10	18
HYDROCEPHALUS AND TUBERC. MENINGITIS	11	15	1	2	2	2	1	1			9	1		1										4	7
MARASMUS, SCROFULA AND TABES MESENTERICA	55	52	27	12	8	3					50	1			1				2		1			19	36
PHTHISIS PULMONALIS	120	100	2	1	1						4	1	16	36	33	19	6	4	1					55	65
OTHER CONSTITUTIONAL DISEASES	18	22			1			1		2			3	5	3		1	2	2					4	14

of August, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for August, 1890.	Total Mortality for August, 1889.	AGE.																			SEX.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 6 yrs.	Total under 6 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
Apoplexy	26	26			1					1			1	2	5	8	3	2	4			14	12
Bright's Disease	8	11												1	1	3	2	1			4		
Bronchitis	23	25	2	3	3	1	2	1		12		1				3	3	3	1		14	9	
Heart Disease	48	66			1					1	4	2	7	6	6	4	10	6	2		22	26	
Meningitis	15	15		1	5	4	1		1	12	1	2									9	6	
Nephritis	8	10										1	1		2	2	2				3	5	
Pleurisy																							
Pneumonia	33	34	1		6	2	4		1	14			4	3	5	3		3	1		20	13	
Other Local Diseases	175	160	32	14	24	15	1	3	1	90	1	3	13	12	16	15	15	7	3		80	95	
IV. DEVELOPMENTAL.																							
Cyanosis	1	1	1							1											1		
Inanition	9	17	5	3	1					9											2	7	
Old Age	17	24															2	5	7	3	6	11	
Premature Birth	12	12	12							12											3	9	
Puerp'l Diseases (not including Puerp'l Fever)	2											1		1								2	
Other Developmental Diseases . .	35	12	26		1		1			28			1		1		2	1	2		19	16	
V. VIOLENT.																							
Accidental	35	38		1		1		1		3	5	4	5	5	3	3	3	3	1		28	7	
Homicidal	2												1		1						2		
Suicidal	9	3											2	2	1	4					8	1	
Other Violent Causes		1																					
Unknown Causes	6	6	1	1						2			2		2						3	3	
TOTAL FROM ALL CAUSES	1007	973	169	88	143	68	15	13	5	501	26	38	90	84	68	65	63	43	25	4	500	507	
TOTAL FROM ZYMOTIC DISEASES	311	291	59	50	89	40	5	6	2	251	12	5	11	10	3	6	5	4	4		170	141	
“ “ Constitutional Diseases	232	221	30	15	12	5	1	2		65	3	19	42	42	22	14	16	8		1	92	140	
“ “ LOCAL do.	336	347	35	18	40	22	8	4	3	130	6	9	26	24	35	38	35	22	11		166	170	
“ “ DEVELOPMENTAL do.	76	66	44	3	2		1			50		1	1	1	1		4	6	9	3	31	45	
“ “ VIOLENT CAUSES	46	42		1		1		1		3	5	4	8	7	5	7	3	3	1		38	8	

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of August, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING AUGUST, 1890.			CASES REPORTED DURING AUGUST, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	69	....	Diphtheria	99	....
Measles	71	....	Measles	10	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	30	....	Scarlatina	15	....
Typhoid Fever	102	....	Typhoid Fever	211	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of August, 1890, as reported by J. W. SMITH, Sergeant Signal Corps, U.S.A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.02	70	82	W.	.17	Mean Barometer, 30.011.
2	30.19	69	62	S.E.	.00	Highest Barometer, 30.26, on the 19th.
3	30.18	71	83	S.W.	.00	Lowest Barometer, 29.52, on the 27th.
4	30.12	79	80	S.W.	.00	Monthly Range of Barometer, —
5	30.16	80	75	S.W.	.00	Mean Temperature, 68.9.
6	30.04	80	67	W.	.20	Highest Temperature, 89.0, on the 4th.
7	30.11	71	62	N.W.	.00	Lowest Temperature, 50.0, on the 25th.
8	30.12	71	67	S.W.	.00	Monthly Range of Temperature, —
9	29.92	64	95	E.	.15	Greatest Daily Range of Temperature, 25.0, on the 7th.
10	29.77	72	81	S.W.	.07	Least Daily Range of Temperature, 6.0, on the 23rd.
11	29.84	64	71	E.	.05	Mean Daily Range of Temperature, —
12	30.08	64	75	N.E.	T	Mean Daily Dew-point, 59.2.
13	30.10	66	71	N.E.	T	Mean Daily Relative Humidity, 75.6.
14	29.97	72	62	W.	.00	Prevailing Direction of Wind, S.W.
15	30.00	73	64	W.	T	Total Movement of Wind, 5,370 Miles.
16	30.23	65	51	N.W.	.00	Highest Velocity of Wind and Direction, 27 miles W. on the 27th.
17	30.11	68	82	S.W.	.00	Number of Foggy Days, 0.
18	30.13	70	82	N.W.	.35	“ Clear “ 7.
19	30.16	64	93	E.	T	“ Fair “ 16.
20	30.09	70	85	S.E.	.54	Number of Cloudy “ 8.
21	30.00	69	76	S.E.	.06	Total Number of Days on which Rain or Snow fell, 12.
22	29.87	72	74	W.	.06	Depth of unmelted Snow on ground at end of month, .00.
23	29.91	62	94	N.E.	.16	Dates of Auroras,
24	30.02	60	80	W.	.19	Dates of Solar Halos,
25	30.03	61	70	W.	.00	Dates of Lunar Halos,
26	29.97	68	83	S.	T	Mean Max. Temp., 76.1.
27	29.59	70	83	W.	.68	Thunder storm, 10th, 17th, 24th.
28	29.84	70	64	N.W.	.00	Dates of Frosts,
29	29.72	67	74	N.W.	.00	
30	29.76	67	74	S.	.08	
31	29.92	63	69	W.	.00	
TOTALS					2.76	
MEANS	30.011	68.9	75.6	S.W.	.089	

COMPARATIVE TEMPERATURE.			
1871	72	1881	70
1872	72	1882	70
1873	69	1883	68
1874	68	1884	68
1875	71	1885	67
1876	70	1886	68
1877	71	1887	67
1878	68	1888	69
1879	68	1889	67
1880	69	1890	69

COMPARATIVE PRECIPITATIONS.			
Inches.		Inches.	
1871	3.06	1881	1.23
1872	3.90	1882	1.46
1873	6.21	1883	0.39
1874	6.67	1884	5.01
1875	3.50	1885	7.64
1876	1.23	1886	3.64
1877	4.49	1887	3.05
1878	7.66	1888	6.53
1879	6.71	1889	3.95
1880	2.90	1890	2.76

Average monthly temperature for 20 years, 69.0.

Average monthly precipitation for 20 years, 4.09.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of September, 1890.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of September, 1890, 751
Population by National Census, 446,507. Rate per 1,000 inhabitants, 20.18

Total number	751	NATIVITY.	
SEX.		United States	508
Males	377	Ireland	139
Females	374	England	18
CONDITION.		Scotland	3
Married	211	Germany	9
Single	455	British America	44
Widows	49	Italy	1
Widowers	27	Other Countries	16
Unknown	9	Unknown	13
COLOR.		PARENTAGE.	
White	728	United States	169
Colored	23	Irish	273
Total deaths of children {		English	24
		Scotch	3
		German	19
Under 1 year		British American	47
Under 2 years		Italian	12
Under 5 years		Other Countries	67
Diarrhœal diseases {		Mixed	77
		Unknown	60
		Still-births during the month	
		54	
Under 1 year			
Under 2 years			
Under 5 years			
All ages			

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for September, 1890.	Total Mortality for September, 1889.	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	2	6										2										2		
CROUP	4	11			1	2	1		4												3	1		
CARBUNCLE	1	2													1						1			
CHOLERA MORBUS	3						1		1						1		1				1	2		
CHOLERA INFANTUM	73	68	14	20	29	9	1		73												20	43		
CEREBRO-SPINAL MENINGITIS	1	2			1				1												1			
CONGESTIVE FEVER																								
DIARRHŒA	25	18	4	1	9	2			16			2	1	1		2	1	2			13	12		
DYSENTERY	6	15			1				1					1	4						3	3		
DIPHTHERIA	19	44		1		1	3	4	5	14	3		2								7	12		
ERYSIPELAS																								
INTERMITTENT FEVER																								
INFLOENZA																								
MEASLES																								
PURPURA	1	1							1	1											1			
PURPERAL FEVER.	2											2										2		
PYÆMIA																								
REMITTENT FEVER																								
RHEUMATISM	1	1														1					1			
SCARLATINA	4				1		1			2	1	1									3	1		
SMALL POX																								
SYPHILIS (CONGENITAL)	5	2	2	1		1				4	1										2	3		
SYPHILIS																								
SEPTICÆMIA	2							1		1	1										1	1		
TONSILLITIS.																								
TYPHOID FEVER.	27	33									1	6	15	3	1			1			16	11		
TYPHUS FEVER																								
WHOOPING COUGH	3	11	1	1		1				3											2	1		
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES	2												1		1						2			
II. CONSTITUTIONAL.																								
CANCER	19	17											2	5	4	7		1			6	13		
HYDROCEPHALUS AND TUBERC. MENINGITIS	18	16		3	3	6	1		3	16	1				1						8	10		
MARASMUS, SCROFULA AND TABES MESENTERICA	42	47	13	11	12	5	1		42												16	26		
PHTHISIS PULMONALIS	101	115	1	1	1	1			4		15	20	28	17	10	6	1				45	66		
OTHER CONSTITUTIONAL DISEASES	15	8				3			3		1	4	3	3	1						6	9		

of September. Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for September, 1890.	Total Mortality for September, 1889.	AGE.																	SEX.		
			Under 3 mos.	3 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																						
APOPLECTY	28	27			1	1		2				3	8	5	5	3	2				14	14
BRIGHT'S DISEASE	4	11									1			1	2						4	
BRONCHITIS	25	32		4	3	4	2	1	14		2	2		3			3	1			12	13
HEART DISEASE	59	56		1				1	2	1	1	4	10	5	13	12	8	3			28	31
MENINGITIS	10	20	3	1	1	3			8	1			1								8	2
NEPHRITIS	6	7										2	1	1	1		1				2	4
PLEURISY																						
PNEUMONIA	19	33			2	3	1		6	1		1	1	2		3	4	1			11	8
OTHER LOCAL DISEASES	126	126	19	9	7	11	4	2	52		5	9	14	16	11	8	7	3	1		72	54
IV. DEVELOPMENTAL.																						
CYANOSIS	2	2	2						2												2	
INANITION	8	18	6	2					8												4	4
OLD AGE	13	22															4	6	3		6	7
PREMATURE BIRTH	9	14	9						9												7	2
PUERP'L DISEASES (not including Puerp'l Fever)	4	1									2		2									4
OTHER DEVELOPMENTAL DISEASES	22	19	13		2				15		1			1	2	1	2				11	11
V. VIOLENT.																						
ACCIDENTAL	28	24	4		1	1		2	8		1	5	4	3	2	3	2				19	9
HOMICIDAL	2	2									1				1						1	1
SUICIDAL	4	3											2	1				1			4	
OTHER VIOLENT CAUSES	1													1								1
UNKNOWN CAUSES	5	3	2	1					3				1	1							2	3
TOTAL FROM ALL CAUSES	751	837	93	57	74	52	18	10	11	315	10	37	69	79	70	59	30	38	20	4	377	374
TOTAL FROM ZYMOTIC DISEASES	181	214	21	24	42	14	8	6	6	121	6	8	21	7	3	7	3	3	2		89	92
“ “ CONSTITUTIONAL DISEASES	195	203	14	15	16	15	2		3	65	1	16	24	33	25	16	13	1	1		81	114
“ “ LOCAL do.	277	312	22	15	13	22	8	4		84	3	8	19	30	35	31	30	26	10	1	151	126
“ “ DEVELOPMENTAL do.	58	76	30	2	2					34		3		2	1	2	1	6	6	3	30	28
“ “ VIOLENT CAUSES	25	29	4		1	1		2	8		2	5	6	5	3	3	2	1			24	11

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of September, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING SEPTEMBER, 1890.			CASES REPORTED DURING SEPTEMBER, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	75	1	Diphtheria	99	....
Measles	32	2	Measles	4	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	21	....	Scarlatina	17	....
Typhoid Fever	214	....	Typhoid Fever	216	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of September, 1890. as reported by J. W. SMITH, Sergeant Signal Corps, U.S. A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.21	65	68	N.W.	.00	Mean Barometer, 30.134.
2	30.22	67	64	W.	.00	Highest Barometer, 30.42, on the 11th.
3	30.24	63	77	N.E.	.00	Lowest Barometer, 29.70, on the 17th.
4	30.23	62	91	S.W.	.00	Monthly Range of Barometer, —
5	30.10	72	87	S.W.	T	Mean Temperature, 62.9.
6	30.05	70	89	E.	1.51	Highest Temperature, 83.0, on the 5th.
7	30.15	66	86	E.	.11	Lowest Temperature, 29.0, on the 25th.
8	30.18	65	85	E.	.00	Monthly Range of Temperature, —
9	30.19	67	91	S.W.	T	Greatest Daily Range of Temperature, 29.0, on the 30th.
10	30.37	58	78	N.E.	.08	Least Daily Range of Temperature, 4.0, on the 17th.
11	30.39	61	78	N.E.	T	Mean Daily Range of Temperature, —
12	30.18	69	93	E.	.97	Mean Daily Dew-point, 54.9.
13	29.96	76	89	S.W.	.61	Mean Daily Relative Humidity, 79.0.
14	30.13	67	73	E.	.01	Prevailing Direction of Wind, S.W.
15	30.12	65	98	E.	.12	Total Movement of Wind, 7,261 Miles.
16	29.98	68	94	S.W.	1.25	Highest Velocity of Wind and Direction, 34 miles S.W. on the 13th.
17	29.78	65	96	N.E.	.13	Number of Foggy Days, 0.
18	29.92	67	71	N.W.	.05	" Clear " 10.
19	30.09	61	75	S.	.09	" Fair " 7.
20	30.03	67	75	S.W.	.00	Number of Cloudy " 13.
21	30.16	58	70	N.W.	.00	Total Number of Days on which Rain or Snow fell, 12.
22	30.02	56	81	S.W.	.00	Depth of unmelting Snow on ground at end of month, .00.
23	29.88	59	65	W.	.00	Dates of Auroras,
24	30.18	54	56	N.W.	.00	Dates of Solar Halos, 8th, 23rd.
25	30.27	51	60	S.W.	.00	Dates of Lunar Halos, 28th.
26	30.03	54	87	S.W.	.12	Mean Max. Temp., 69.5.
27	30.02	64	82	N.W.	.08	Mean Min. Temp., 56.2.
28	30.31	50	76	N.E.	.00	Thunder storm, none.
29	30.38	52	75	N.E.	.00	Dates of Frosts, none.
30	30.20	58	72	W.	.00	
TOTALS					5.04	
MEANS	30.134	62.9	79.0	S.W.	.168	

Average monthly temperature for 20 years, 62.0.

Average monthly precipitation for 20 years, 3.16.

T indicates trace of precipitation.

COMPARATIVE TEMPERATURE.			
1871	59.3	1881	65.7
1872	63.9	1882	62.7
1873	62.4	1883	59.5
1874	64.3	1884	65.8
1875	59.3	1885	59.6
1876	58.8	1886	62.7
1877	63.9	1887	59.6
1878	63.1	1888	58.9
1879	60.7	1889	62.8
1880	64.1	1890	62.9

COMPARATIVE PRECIPITATIONS.			
	Inches.		Inches.
1871	1.30	1881	10.93
1872	0.05	1882	1.50
1873	2.91	1883	0.31
1874	2.05	1884	1.70
1875	3.12	1885	2.73
1876	3.81	1886	0.97
1877	0.60	1887	6.77
1878	3.47	1888	0.91
1879	1.54	1889	3.19
1880	2.50	1890	5.94

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of October, 1890.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

Deaths during the month of October, 1890, 754
Population by National Census, 446,507. Rate per 1,000 inhabitants, 20.26

Total number 754

SEX.

Males 400

Females 354

CONDITION.

Married 236

Single 402

Widows 70

Widowers 36

Unknown 10

COLOR.

White 736

Colored 18

Total deaths of children { Under 1 year 172
Under 2 years 206
Under 5 years 231

Diarrhœal diseases { Under 1 year 21
Under 2 years 27
Under 5 years 29
All ages 37

NATIVITY.

United States 484

Ireland 149

England 18

Scotland 6

Germany 16

British America 50

Italy 5

Other Countries 15

Unknown 11

PARENTAGE.

United States 203

Irish 258

English 18

Scotch 8

German 19

British American 47

Italian 10

Other Countries 64

Mixed 56

Unknown 71

Still-births during the month 50

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for October, 1880,	Total Mortality for October, 1880,	AGE.																	SEX.				
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	9	4											3	3	2	1							5	4
CROUP	2	11				1	1			2												1	1	
CARBUNCLE	2	1													1			1				1	1	
CHOLERA MORBUS																								
CHOLERA INFANTUM	22	16	6	5	5	5		1		22												11	11	
CEREBRO-SPINAL MENINGITIS	1	1						1		1												1		
CONGESTIVE FEVER																								
DIARRHŒA	11	6	3		2	1	1			7					1		1	2				3	8	
DYSENTERY	4	7													1	1	2						4	
DIPHTHERIA	18	49				2	3	3	1	9	8											10	8	
ERYSIPELAS	1												1										1	
INTERMITTENT FEVER																								
INFLUENZA	1																			1		1		
MEASLES	1					1				1													1	
PURPURA	1															1						1		
PURPERAL FEVER.	1												1										1	
PYŒMIA																								
REMITTENT FEVER																								
RHEUMATISM	2	1															1		1				2	
SCARLATINA		2																						
SMALL POX																								
SYPHILIS (CONGENITAL)	3	7	1		1		1			3												3		
SYPHILIS		2																						
SEPTICŒMIA	3	2														2		1				1	2	
TONSILLITIS																								
TYPHOID FEVER.	20	23										6	6	4	3	1						12	8	
TYPHUS FEVER																								
WHOOPING COUGH	1	7				1				1													1	
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES		2																						
II. CONSTITUTIONAL.																								
CANCER	26	20												2	2	1	8	7	4	2		10	16	
HYDROCEPHALUS AND TUBERC. MENINGITIS	18	13	2		8	4	1		1	16	1	1										11	7	
MARASMUS, SCROFULA AND TABES MESENTERICA	27	46	10	6	7	1		1		25							1		1			12	15	
PHTHISIS PULMONALIS	110	120	2	1		2		1		6		11	41	23	16	4	2	2				53	57	
OTHER CONSTITUTIONAL DISEASES	15	10	2		1					3		1	1	3	5	1	1					9	6	

of October, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for October, 1890.	Total Mortality for October, 1889.	AGE.																			SEX.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
Apoplexy	21	19				1			1				2	5		5	4	4				15	6
Bright's Disease	10	17								1		2	1		3	2		1				7	
Bronchitis	28	41	4	5	5	3			17					1	3	1	5	1				14	14
Heart Disease	75	79	2			1		1	1	5	2		5	9	9	7	18	13	7			39	36
Meningitis	16	15	2	2	1	3	1	1	10	1	1	2	1					1				9	7
Nephritis	10	13										1	1		3		2	2	1			7	3
Pleurisy																							
Pneumonia	53	55	4	4	3				3	14	3	2	3	6	6	5	5	9				29	24
Other Local Diseases	124	112	18	2	6	8	1		35	3	5	6	12	13	11	24	9	5	1			65	59
IV. DEVELOPMENTAL.																							
Cyanosis	1		1							1													1
Inanition	10	5	6	4					10													5	5
Old Age	22	28														2	3	3	9	4	1	9	13
Premature Birth	16	11	16						16													11	5
Puerp'l Diseases (not including Puerp'l Fever)	2	7										1	1										2
Other Developmental Diseases . .	26	19	19	1	1				21						1	1	2	1				15	11
V. VIOLENT.																							
Accidental	33	25	3	2					5	2		11	5	2	3	2	3					26	7
Homicidal	1	1										1											1
Suicidal	3	4											2		1							2	1
Other Violent Causes		1																					
Unknown Causes	4	2													2	1		1				2	2
Total from all Causes	754	804	101	32	39	34	9	10	6	231	21	28	87	79	75	52	80	59	35	6	1	400	354
Total from Zymotic Diseases	163	141	10	5	7	11	6	6	1	46	8	6	11	7	12	2	6	2	2	1		50	53
“ “ Constitutional Diseases	196	209	16	7	16	7	1	2	1	50	1	13	44	33	22	13	11	6	3			95	101
“ “ Local do.	337	351	30	13	15	16	2	2	4	82	10	9	19	31	37	29	57	42	20	1		185	152
“ “ Developmental do.	77	70	42	5	1					48			1	1		3	4	5	10	4	1	40	37
“ “ Violent Causes	37	31	3	2						5	2		12	7	2	4	2	3				28	9

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of October, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING OCTOBER, 1890.			CASES REPORTED DURING OCTOBER, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	90	....	Diphtheria	137	....
Measles	62	....	Measles	1	2
Small Pox . . . . .	....	....	Small Pox	7	....
Scarlatina	30	....	Scarlatina	32	....
Typhoid Fever	159	....	Typhoid Fever	209	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	1	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of October, 1890. as reported by J. W. SMITH, Sergeant Signal Corps, U. S. A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	30.30	60	67	E.	.00	Mean Barometer, 29.898.
2	30.28	66	56	S.W.	.00	Highest Barometer, 30.412, on the 22nd.
3	30.10	62	87	S.E.	.24	Lowest Barometer, 29.317, on the 17th.
4	29.78	64	97	E.	.82	Monthly Range of Barometer, —
5	29.74	63	69	N.W.	.00	Mean Temperature, 51.0.
6	29.79	54	66	N.W.	.00	Highest Temperature, 77.0, on the 2nd.
7	29.95	48	80	N.E.	.26	Lowest Temperature, 36.0, on the 22nd.
8	30.07	50	86	N.	.25	Monthly Range of Temperature, —
9	30.29	50	69	N.W.	.00	Greatest Daily Range of Temperature, 23.0, on the 2nd.
10	30.11	54	84	N.W.	T	Least Daily Range of Temperature, 4.0, on the 24th.
11	29.88	58	76	N.W.	.04	Mean Daily Range of Temperature, —
12	29.92	49	65	N.W.	.00	Mean Daily Dew-point, 43.4.
13	30.01	48	69	N.W.	.00	Mean Daily Relative Humidity, 78.6.
14	29.79	49	86	S.W.	.08	Prevailing Direction of Wind, N.W.
15	29.92	54	75	W.	.21	Total Movement of Wind, 8,719 Miles.
16	30.11	59	78	W.	.00	Highest Velocity of Wind and Direction, 54 miles S.E. on the 19th.
17	29.48	55	73	N.W.	.79	Number of Foggy Days, 0.
18	29.92	54	78	W.	.01	“ Clear “ 7.
19	29.66	53	92	S.E.	.52	“ Fair “ 8.
20	29.71	44	87	E.	.67	Number of Cloudy “ 16.
21	30.10	44	74	N.	T	Total Number of Days on which Rain or Snow fell, 16.
22	30.39	42	75	N.	.00	Depth of unfunneled Snow on ground at end of month, .00.
23	30.28	44	81	E.	.00	Dates of Auroras, —
24	29.82	47	93	E.	1.10	Dates of Coronas, 30th.
25	29.73	44	88	N.	.44	Dates of Solar Halos, 2nd, 16th, 18th, 26th.
26	29.64	43	80	N.E.	.00	Dates of Lunar Halos, 22nd, 25th, 26th.
27	29.40	44	78	N.	.01	Mean Max. Temp., 56.4.
28	29.51	43	69	W.	.00	Mean Min. Temp., 45.6.
29	29.48	44	92	S.	.17	Thunder storm, none.
30	29.65	46	71	S.W.	.02	Dates of Frosts, 13th, 22nd.
31	29.93	46	79	W.	.00	
TOTALS					5.63	
MEANS	29.898	51.0	78.6	N.W.	.181	

Average monthly temperature for 20 years, 51.4.

Average monthly precipitation for 20 years, 4.12.

T indicates trace of precipitation.

COMPARATIVE TEMPERATURE.	
1871	54.0
1872	51.7
1873	52.8
1874	53.1
1875	49.2
1876	47.8
1877	50.8
1878	54.9
1879	56.0
1880	50.9
1881	53.3
1882	54.6
1883	47.4
1884	52.3
1885	51.1
1886	51.5
1887	51.0
1888	47.1
1889	48.5
1890	51.0

COMPARATIVE PRECIPITATIONS.	
1871	5.88
1872	4.85
1873	5.33
1874	1.39
1875	4.99
1876	1.66
1877	8.84
1878	3.76
1879	0.91
1880	3.15
1881	2.84
1882	2.29
1883	6.40
1884	3.17
1885	5.71
1886	3.27
1887	2.53
1888	3.58
1889	3.31
1890	5.63

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of November, 1890.

With an enumeration of the more prominent causes ; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,
Chairman.

Deaths during the month of November, 1890, 723
Population by National Census, 446,507. Rate per 1,000 inhabitants, 19.43

Total number	723	NATIVITY.	
SEX.		United States	435
Males	348	Ireland	172
Females	375	England	23
CONDITION.		Scotland	5
Married	254	Germany	12
Single	350	British America	48
Widows	90	Italy	5
Widowers	22	Other Countries	13
Unknown	7	Unknown	10
COLOR.		PARENTAGE.	
White	701	United States	151
Colored	22	Irish	277
Total deaths of children	Under 1 year	English	21
	Under 2 years	Scotch	9
	Under 5 years	German	21
Diarrhoeal diseases	Under 1 year	British American	40
	Under 2 years	Italian	16
	Under 5 years	Other Countries	60
	All ages	Mixed	64
		Unknown	64
		Still-births during the month	68

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for November, 1890.	Total Mortality for November, 1889.	AGE.																			SEX.		
			Under 3 mos.	3 mos. and under 6 mos.	6 months and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	10	7										1	3	4	2							7	3	
CROUP	5	8				2	1		1	4	1											3	2	
CARBUNCLE																								
CHOLERA MORBUS		1																						
CHOLERA INFANTUM	8	6	3	2	2	1				8												4	4	
CEREBRO-SPINAL MENINGITIS																								
CONGESTIVE FEVER																								
DIARRHŒA	3	9									1						2						3	
DYSENTERY	1	2													1							1		
DIPHTHERIA	18	42				3	5	2	2	12	4	1			1							8	10	
ERYSIPELAS	2		1	1						2												1	1	
INTERMITTENT FEVER																								
INFLUENZA																								
MEASLES	2					1	1		2														2	
PURPURA	1	1									1												1	
PUERPERAL FEVER	3												1	1	1								3	
PYŒMIA	2	2	1						1			1										1	1	
REMITTENT FEVER																								
RHEUMATISM	1	1												1									1	
SCARLATINA	1										1												1	
SMALL POX		2																						
SYPHILIS (CONGENITAL)	6	1	5		1				6													4	2	
SYPHILIS	1	1										1											1	
SEPTICŒMIA	3	1										1	1				1					1	2	
TONSILLITIS																								
TYPHOID FEVER	19	17									4	8	3	1	3							9	10	
TYPHUS FEVER																								
WHOOPING COUGH		3																						
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES	2	1								1							1					1	1	
II. CONSTITUTIONAL.																								
CANCER	26	30												2	1	11	10	2				11	15	
HYDROCEPHALUS AND TUBERC. MENINGITIS	8	5		2	2	1	1		1	7		1										3	5	
MARASMUS, SCROFULA AND TABES MESENTERICA	19	25	5	4	5	4				18						1						10	9	
PHTHISIS PULMONALIS	113	115	1		3		1			5	1	13	27	31	14	11	9	2				47	66	
OTHER CONSTITUTIONAL DISEASES	10	18		1	2					3			3	1		1	1	1				6	4	

of November, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for November, 1890.	Total Mortality for November, 1889.	AGE.																			SEX.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
APOPLEXY	35	23				1			1			2	3	5	4	9	9	1	1			20	15
BRIGHT'S DISEASE	13	17										2		3	2	3	1	2				6	
BRONCHITIS	33	36	8	5	1	9	2		1	26					1	2	2	2				12	21
HEART DISEASE	69	60	3							3	1	3	2	7	15	14	12	9	3			33	36
MENINGITIS	17	14		2	5	1	1			9	3		1	3			1					10	7
NEPHRITIS	6	12											1	1	3		1					1	5
PLEURISY																							
PNEUMONIA	79	64	5	3	8	5	3	1	1	26	1	2	5	7	6	10	9	10		3		41	38
OTHER LOCAL DISEASES	105	93	11	2	5	2	1	1		22	3	3	10	16	18	7	10	10	6			45	60
IV. DEVELOPMENTAL.																							
CYANOSIS	2	3	2							2												2	
INANITION	4	9	3		1					4												2	2
OLD AGE	18	16														1	1	5	5	6		8	10
PREMATURE BIRTH	13	11	13							13												7	6
PUERP'L DISEASES (not including Puerp'l Fever)	5	3										1	2	2									5
OTHER DEVELOPMENTAL DISEASES	13	8	8	1						9							2	1	1			6	7
V. VIOLENT.																							
ACCIDENTAL	37	26	2	1		2	1		1	7	1	1	4	5	5	7	5	2				31	6
HOMICIDAL	2	1	1							1			1									2	
SUICIDAL	4	5												1	1	1	1					2	2
OTHER VIOLENT CAUSES	1	2													1								1
UNKNOWN CAUSES	3	1	1							1					1	1						3	
TOTAL FROM ALL CAUSES	723	702	73	24	35	31	17	5	7	192	18	30	73	83	80	73	77	57	20	10		318	375
TOTAL FROM ZYMOTIC DISEASES	68	105	10	3	3	6	7	3	3	35	8	6	13	9	7	6	1	3				40	48
“ “ CONSTITUTIONAL DISEASES	176	193	6	7	12	5	2		1	33	1	14	30	34	15	24	20	5				77	99
“ “ LOCAL do.	357	319	27	12	19	18	7	2	2	87	8	8	23	37	50	38	47	41	14	4		158	189
“ “ DEVELOPMENTAL do.	55	50	26	1	1					28		1	2	2		1	3	6	6	6		25	30
“ “ VIOLENT CAUSES	44	34	3	1		2	1		1	8	1	1	5	6	7	8	6	2				35	9

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of November, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING NOVEMBER, 1890.			CASES REPORTED DURING NOVEMBER, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	75	....	Diphtheria	131	....
Measles	106	....	Measles	4	2
Small Pox . . . . .	....	....	Small Pox	3	....
Scarlatina	40	1	Scarlatina	36	....
Typhoid Fever	89	....	Typhoid Fever	64	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE, BOSTON.

For the month of November, 1890, as reported by J. W. SMITH, Sergeant Signal Corps, U. S. A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.94	49	80	W.	.00	Mean Barometer, 30.02.
2	29.79	47	80	S.W.	T	Highest Barometer, 30.376, on the 9th.
3	29.61	39	70	W.	.00	Lowest Barometer, 29.424, on the 18th.
4	29.92	42	70	W.	.00	Monthly Range of Barometer, —
5	30.24	54	70	S.W.	.00	Mean Temperature, 41.8.
6	30.24	51	86	S.W.	.00	Highest Temperature, 64.0, on the 8th.
7	30.25	51	93	S.	.00	Lowest Temperature, 15.0, on the 28th.
8	30.12	54	78	S.W.	.00	Monthly Range of Temperature, 49.3
9	30.18	51	84	S.	.00	Greatest Daily Range of Temperature, 25.0, on the 25th.
10	30.16	50	79	N.W.	T	Least Daily Range of Temperature, 5.9, on the 11th.
11	30.25	35	91	N.W.	.11	Mean Daily Range of Temperature, 15.0
12	30.29	36	100	N.W.	.03	Mean Daily Dew-point, 33.6.
13	30.13	41	68	W.	.00	Mean Daily Relative Humidity, 77.0.
14	30.15	49	66	W.	.00	Prevailing Direction of Wind, West.
15	30.25	47	97	N.W.	.12	Total Movement of Wind, 8,285 Miles.
16	30.34	43	75	N.W.	.06	Highest Velocity of Wind and Direction, 41 miles W. on the 18th.
17	29.85	46	93	S.W.	.49	Number of Foggy Days, 0.
18	29.63	48	67	N.W.	.16	" Clear " 10.
19	29.68	45	78	W.	.00	" Fair " 11.
20	29.74	34	71	N.W.	.00	Number of Cloudy " 9.
21	30.04	37	54	N.W.	.00	Total Number of Days on which Rain or Snow fell, 6.
22	29.84	42	71	S.W.	T	Depth of unmelted Snow on ground at end of month, .00.
23	29.93	28	78	N.W.	T	Dates of Auroras, Dates of Coronas, 16th.
24	30.13	27	68	W.	.00	Dates of Solar Halos, 24th, 26th.
25	29.81	48	43	S.W.	.00	Dates of Lunar Halos, 26th.
26	30.00	35	66	N.W.	.00	Mean Max. Temp., 49.1. Mean Min. Temp., 34.5.
27	30.04	27	67	N.W.	T	Thunder storm, none.
28	30.02	23	73	N.W.	.00	Dates of Frosts,
29	29.01	33	68	W.	.00	COMPARATIVE TEMPERATURE.
30	29.68	40	80	S.W.	.00	1871 37.0 1881 42.0
TOTALS					0.97	1872 40.0 1882 38.0
MEANS	30.02	41.8	77	W.	.032	1873 33.0 1883 42.0
						1874 41.0 1884 41.0
						1875 34.0 1885 44.0
						1876 40.0 1886 43.0
						1877 43.0 1887 42.0
						1878 40.0 1888 43.0
						1879 39.0 1889 45.0
						1880 37.0 1890 42.0
						COMPARATIVE PRECIPITATIONS.
						Inches. Inches.
						1871 6.42 1881 3.73
						1872 3.66 1882 1.20
						1873 8.34 1883 2.08
						1874 2.85 1884 4.46
						1875 5.47 1885 5.78
						1876 11.03 1886 3.59
						1877 9.62 1887 2.22
						1878 8.94 1888 4.97
						1879 2.97 1889 4.91
						1880 2.30 1890 0.97

Average monthly temperature for 20 years, 49.3.

Average monthly precipitation for 20 years, 4.78.

T indicates trace of precipitation.

OFFICE OF THE BOARD OF HEALTH OF THE CITY OF BOSTON.

Statement of Mortality for the month of December, 1890.

With an enumeration of the more prominent causes; accompanied by an abstract of Meteorological Observations.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

*Deaths during the month of December, 1890, 850
Population by National Census, 448,477. Rate per 1,000 inhabitants, 22.74

Total number	850	NATIVITY.	
SEX.		United States	536
Males	415	Ireland	186
Females	435	England	25
CONDITION.		Scotland	8
Married	272	Germany	13
Single	416	British America	52
Widows	116	Italy	4
Widowers	38	Other Countries	19
Unknown	8	Unknown	7
COLOR.		PARENTAGE.	
White	820	United States	203
Colored	30	Irish	312
Total deaths of children {		English	27
		Scotch	12
		German	15
Under 1 year	135	British American	45
Under 2 years	174	Italian	8
Under 5 years	225	Other Countries	55
Diarrhœal diseases {		Mixed	75
		Unknown	98
		Still-births during the month	59
Under 1 year	7		
Under 2 years	7		
Under 5 years	7		
All ages	9		

* Deduct one death (Cholera Infantum) from the month of July mortality statement.

Total Deaths with Principal Causes for the month

CAUSES OF DEATH.	Total Mortality for December, 1890.	Total Mortality for December, 1889.	AGE.																		SEX.			
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 yr.	1 yr. and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years.	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.	
I. ZYMOTICS.																								
ALCOHOLISM	6	7												4	2							4	2	
CROUP	5	17			1		1	1	1	4	1											4	1	
CARBUNCLE																								
CHOLERA MORBUS																								
CHOLERA INFANTUM	1	1			1						1												1	
CEREBRO-SPINAL MENINGITIS	4	1		2				1			3		1									3	1	
CONGESTIVE FEVER																								
DIARRHŒA	6	9	4	2							6											4	2	
DYSENTERY	2	1													1		1						2	
DIPHTHERIA	33	59				7	6	4	2	19	7	4	1		1	1						12	21	
ERYSIPELAS	4	2			1						1	1				1		1					4	
INTERMITTENT FEVER																								
INFLUENZA	2		1			1					2											2		
MEASLES	2			1				1			2											2		
PURPURA																								
PURPERAL FEVER	3	1											2	1									3	
PYŒMIA		1																						
REMITTENT FEVER																								
RHEUMATISM	2	1					1				1					1							2	
SCARLATINA	7	4					2	1	3	6		1										5	2	
SMALL POX																								
SYPHILIS (CONGENITAL)	1	1	1								1											1		
SYPHILIS	1	1											1										1	
SEPTICŒMIA	1												1										1	
TONSILLITIS																								
TYPHOID FEVER	19	13										1	1	13	2		1		1			12	7	
TYPHUS FEVER																								
WHOOPING COUGH		3																						
YELLOW FEVER																								
OTHER ZYMOTIC DISEASES	1	1											1									1		
II. CONSTITUTIONAL.																								
CANCER	26	29														4	11	5	6			7	19	
HYDROCEPHALUS AND TUBERC. MENINGITIS . .	16	15	1	1	2	5		1	3	13	1		1		1							7	9	
MARASMUS, SCROFULA AND TABES MESENTERICA	25	20	16	1	4	3	1				25											10	15	
PHTHISIS PULMONALIS	125	145		1	1	4					6	2	18	39	29	13	7	9	1		1	63	62	
OTHER CONSTITUTIONAL DISEASES	12	17					1				1		1	4	2	2		2				8	4	

of December, Classified by Cause, Age and Sex.

CAUSES OF DEATH.	Total Mortality for December, 1890.	Total Mortality for December, 1889.	AGE.																			SEX.	
			Under 3 mos.	3 mos. and under 6 mos.	6 mos. and under 1 year.	1 year and under 2 yrs.	2 years and under 3 yrs.	3 years and under 4 yrs.	4 years and under 5 yrs.	Total under 5 years	5 years and under 10 yrs.	10 years and under 20 yrs.	20 years and under 30 yrs.	30 years and under 40 yrs.	40 years and under 50 yrs.	50 years and under 60 yrs.	60 years and under 70 yrs.	70 years and under 80 yrs.	80 years and under 90 yrs.	90 years and under 100 yrs.	100 years and over.	Males.	Females.
III. LOCAL.																							
APOPLEXY	24	30												4	7	6	3	4				11	13
BRIGHT'S DISEASE	12	12									1		2	3	2	3	1					10	
BRONCHITIS	49	43	6	8	9	3	2		1	29	1	1		1	2	4	3	6	2			19	30
HEART DISEASE	90	82	2							2	5	4	3	9	15	11	21	16	4			43	47
MENINGITIS	14	20		1	3	2	1		1	8	1	1		1		2	1					8	6
NEPHRITIS	10	8									2		1	1	1	3	2					5	5
PLEURISY	3												1		1				1			1	2
PNEUMONIA	100	143	2	3	5	9	7	2	1	29	4		4	7	19	8	20	3	6			47	53
OTHER LOCAL DISEASES	114	102	12	6	2	3	2	1	1	27	2	4	5	12	13	8	20	13	9	1		52	62
IV. DEVELOPMENTAL.																							
CYANOSIS	3	5	2				1			3												2	1
INANITION	10	6	9			1				10												6	4
OLD AGE	33	24															2	7	17	7		8	25
PREMATURE BIRTH	9	21	9							9												4	5
PUERP'L DISEASES (not including Puerp'l Fever)	7	4											5	2									7
OTHER DEVELOPMENTAL DISEASES	18	24	13	1						14						1		2	1			14	4
V. VIOLENT.																							
ACCIDENTAL	47	32	1			1			1	3		3	9	9	10	5	3	5				38	9
HOMICIDAL																							
SUICIDAL	2	6												2								2	
OTHER VIOLENT CAUSES	1	2												1									1
UNKNOWN CAUSES		1																					
TOTAL FROM ALL CAUSES	850	919	79	27	29	39	25	12	14	225	27	40	92	85	93	72	98	65	44	9		415	435
TOTAL FROM ZYMOTIC DISEASES	100	123	6	5	3	8	10	8	6	46	9	7	20	7	5	3	1	2				50	50
“ “ CONSTITUTIONAL DISEASES	204	226	17	3	7	12	2	1	3	45	3	19	44	31	20	18	16	7		1		95	109
“ “ LOCAL do.	416	445	22	18	19	17	12	3	4	95	15	11	14	33	58	45	76	42	26	1		196	220
“ “ DEVELOPMENTAL do.	80	84	33	1		1	1			36			5	2		1	2	9	18	7		34	46
“ “ VIOLENT CAUSES	50	40	1			1			1	3		3	9	12	10	5	3	5				40	10

Comparative Statement of Cases of Contagious Disease reported to the Board of Health for the month of December, 1890, and for the corresponding month in 1889.

CASES REPORTED DURING DECEMBER, 1890.			CASES REPORTED DURING DECEMBER, 1889.		
	City.	Quarantine.		City.	Quarantine.
Diphtheria	117	....	Diphtheria	174	....
Measles	237	....	Measles	9	....
Small Pox . . . . .	....	....	Small Pox . . . . .	....	....
Scarlatina	112	....	Scarlatina	49	1
Typhoid Fever	54	....	Typhoid Fever	64	....
Typhus Fever . . . . .	....	....	Typhus Fever . . . . .	....	....
Yellow Fever . . . . .	....	....	Yellow Fever . . . . .	....	....

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE. BOSTON.

For the month of December, 1890. as reported by J. W. SMITH, Sergeant Signal Corps, U. S. A.

DATE.	DAILY MEAN BAROMETER.	DAILY MEAN TEMPERATURE.	DAILY MEAN HUMIDITY.	PREVAILING DIRECTION OF WIND.	DAILY RAIN FALL.	GENERAL ITEMS.
1	29.67	21	54	N.W.	.00	Mean Barometer, 30.024.
2	30.17	13	75	W.	.00	Highest Barometer, 30.592, on the 25th.
3	30.06	20	93	N.W.	.66	Lowest Barometer, 29.363, on the 27th.
4	29.51	28	63	W.	.25	Monthly Range of Barometer, —
5	30.30	32	82	S.W.	.01	Mean Temperature, 26.0.
6	30.17	30	97	N.W.	.01	Highest Temperature, 56.0, on the 4th.
7	30.08	25	76	N.W.	.12	Lowest Temperature, .0, on the 3d.
8	30.24	18	75	N.W.	.00	Monthly Range of Temperature, —
9	29.86	28	70	N.W.	.00	Greatest Daily Range of Temperature, 40.0, on the 3d.
10	29.58	32	75	S.	.00	Least Daily Range of Temperature, 8.0, on the 24th.
11	29.62	38	67	W.	.00	Mean Daily Range of Temperature, —
12	29.71	26	83	N.W.	T	Mean Daily Dew-point, 18.0.
13	30.19	14	69	W.	.00	Mean Daily Relative Humidity, 75.0.
14	30.01	34	55	S.W.	.00	Prevailing Direction of Wind, N.W.
15	30.28	35	67	W.	.00	Total Movement of Wind, 1,148 Miles.
16	30.51	23	91	N.	.00	Highest Velocity of Wind and Direction, 54 miles N.E. on the 17th.
17	29.97	33	91	N.E.	.40	Number of Foggy Days, 0.
18	29.50	36	88	N.W.	.91	" Clear " 10.
19	30.14	17	67	N.W.	.00	" Fair " 9.
20	30.43	22	49	W.	.00	Number of Cloudy " 12.
21	29.97	33	60	S.W.	.02	Total Number of Days on which Rain or Snow fell, .
22	29.96	38	75	W.	T	Depth of unmelted Snow on ground at end of month, 6 inches.
23	29.76	41	65	W.	.00	Dates of Auroras, Dates of Coronas,
24	30.06	26	67	W.	T	Dates of Solar Halos, 1st, 8th.
25	30.50	16	68	N.W.	.00	Dates of Lunar Halos, 20th, 23d, 25th.
26	30.23	19	95	W.	.59	Mean Max. Temp., 34.2. Mean Min. Temp., 17.8.
27	29.40	27	89	W.	.54	Thunder storm, none.
28	29.84	15	71	W.	.00	Dates of Frosts,
29	29.89	17	91	W.	T	COMPARATIVE TEMPERATURE.
30	30.40	10	95	N.W.	T	1871 28.0 1881 38.0
31	30.36	14	70	N.W.	T	1872 24.0 1882 30.0
TOTALS					3.72	1873 31.0 1883 29.0
MEANS	30.02	25.0	75	N.W.		1874 31.0 1884 33.0
						1875 29.0 1885 33.0
						1876 22.0 1886 29.0
						1877 35.0 1887 32.0
						1878 30.0 1888 34.0
						1879 32.0 1889 38.0
						1880 26.0 1890 26.0
						COMPARATIVE PRECIPITATIONS.
						Inches. Inches.
						1871 3.38 1881 3.82
						1872 2.95 1882 2.65
						1873 5.64 1883 3.71
						1874 2.14 1884 4.46
						1875 0.75 1885 2.09
						1876 3.71 1886 3.66
						1877 1.32 1887 2.71
						1878 6.76 1888 4.39
						1879 5.56 1889 1.83
						1880 3.42 1890 3.72

Average monthly temperature for 20 years, 30.5.

Average monthly precipitation for 20 years, 3.42.

T indicates trace of precipitation.

SUMMARY OF DEATHS IN BOSTON.

With Principal Causes, for the year 1890. Compared with those of 1889.

Published by order of the Board of Health.

SAMUEL H. DURGIN, M.D.,

Chairman.

	1890.	1889.		1890.	1889.
Total No. of deaths from all causes . .	10,181	10,259	Influenza	24	—
Population (estimated)	*448,477	420,000	Intermittent Fever	—	—
Annual death rate per 1000 inhabitants	22.70	24.42	Measles	19	48
Total No. from Zymotic diseases . .	1,677	1,968	Purpura	6	3
Percentage of deaths from Zymotic diseases to total mortality	16.47	19.18	Puerperal Fever	27	12
Total No. of Still-births	627	598	Pyæmia	13	8
Total deaths of children under 1 year .	2,271	2,360	Remittent Fever	—	—
“ “ “ “ 2 years .	2,823	2,967	Rheumatism	20	31
“ “ “ “ 5 years .	3,349	3,633	Scarlatina	42	23
Percentage of deaths under 5 years to total mortality	32.89	35.41	Small Pox	—	2
Total No. of deaths from diarrhœal diseases, under 5 years	590	598	Syphilis (congenital)	40	22
Total No. of deaths from diarrhœal diseases, all ages	665	710	Syphilis	3	10
Percentage of deaths from diarrhœal diseases to total mortality	6.53	6.92	Septicæmia	18	18
Alcoholism	76	62	Tonsillitis	1	1
Croup	61	119	Typhoid Fever	155	186
Carbuncle	6	2	Typhus Fever	—	—
Cholera Morbus	23	22	Whooping Cough	39	96
Cholera Infantum	498	450	Yellow Fever	—	—
Cerebro Spinal Meningitis	17	21	Other Zymotic Diseases	8	5
Diarrhœa	114	163	Cancer	326	306
Dysentery	30	76	Phthisis Pulmonalis	1,495	1,431
Diphtheria	401	564	Bright's Disease	134	155
Erysipelas	36	24	Bronchitis	453	448
			Heart Disease	783	789
			Pneumonia	1,092	934
			Old age	243	282
			Violent Deaths	450	423

*Population by National Census.

B.P.L. Bindery,
JUL 20 1894

